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# ANNUAL REPORT

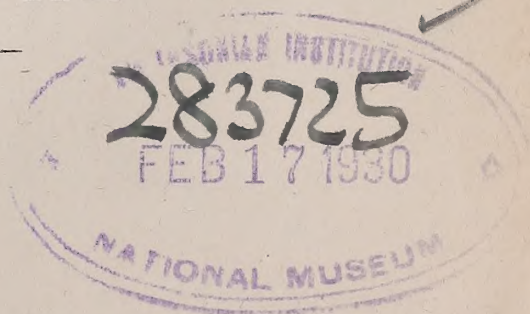
OF THE

# COMMISSIONER OF PATENTS

FOR

THE YEAR 1867.

VOLUME III.



WASHINGTON:  
GOVERNMENT PRINTING OFFICE.  
1868.



IN THE SENATE OF THE UNITED STATES,

*January 29, 1868.*

*Resolved*, That 4,000 additional copies of the letters from the Commissioner of Patents, transmitting Annual Report of that office, be printed for the use of the Senate.

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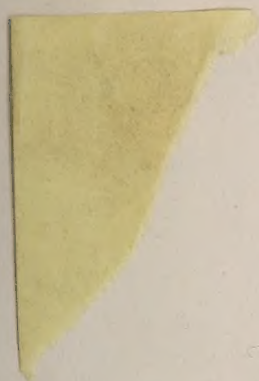
IN THE HOUSE OF REPRESENTATIVES,

*June 5, 1868.*

On motion of Mr. LAFLIN, from the Committee on Printing,

*Resolved*, That there be printed 15,000 extra copies of the Report of the Commissioner of Patents, 10,000 for the use of the House, and 5,000 for the Commissioner.





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# ILLUSTRATIONS.

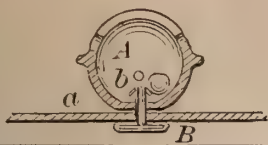
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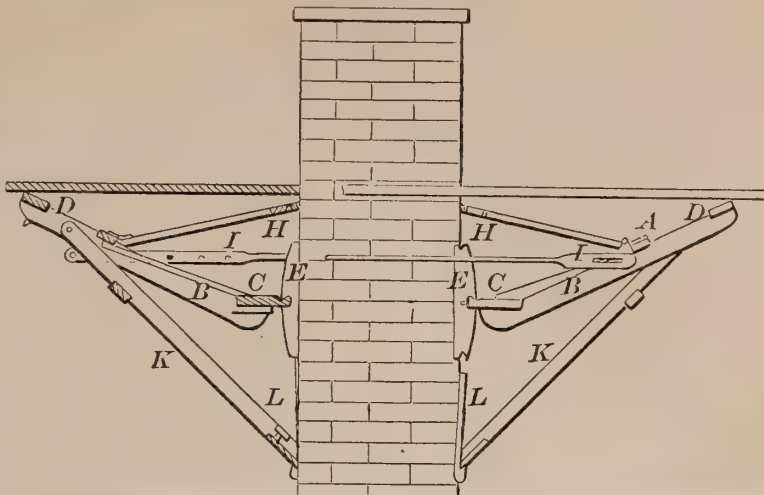




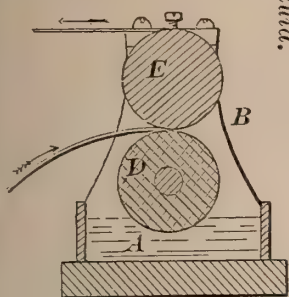
**60658**—I. H. Abell—*Fastening Sleigh Bells.*



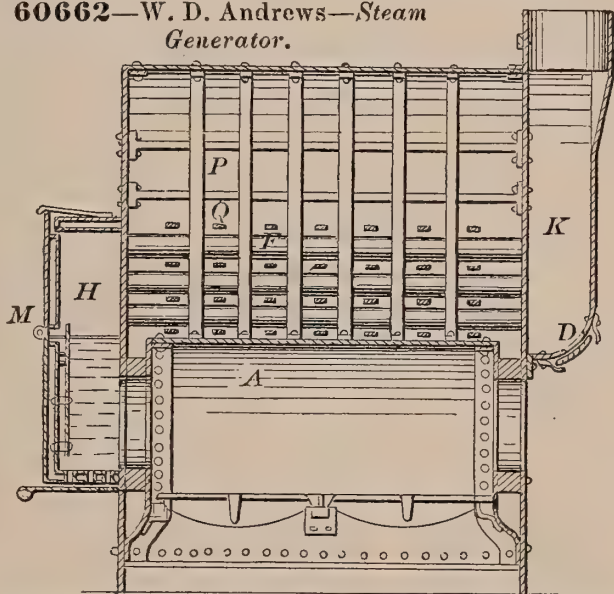
**60659**—D. D. Adams—*Scaffold.*



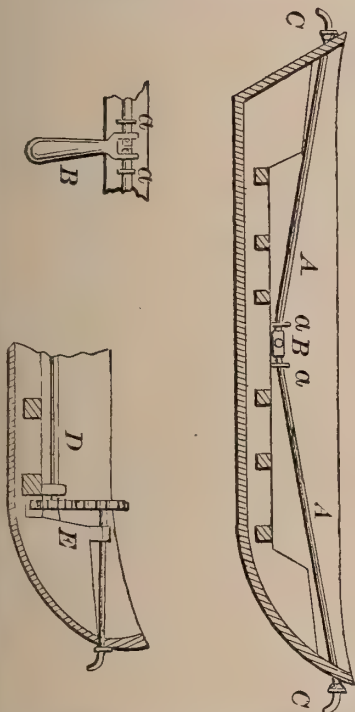
**60660**—G. Adamson—*For Coating Fabrics with Fluid.*



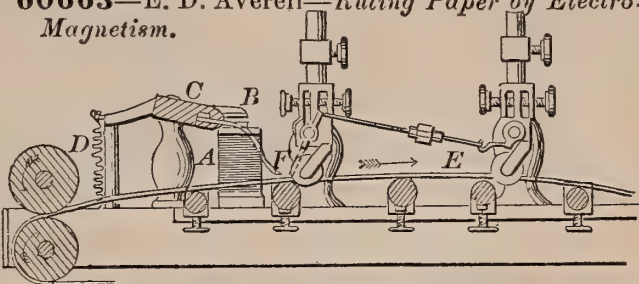
**60662**—W. D. Andrews—*Steam Generator.*



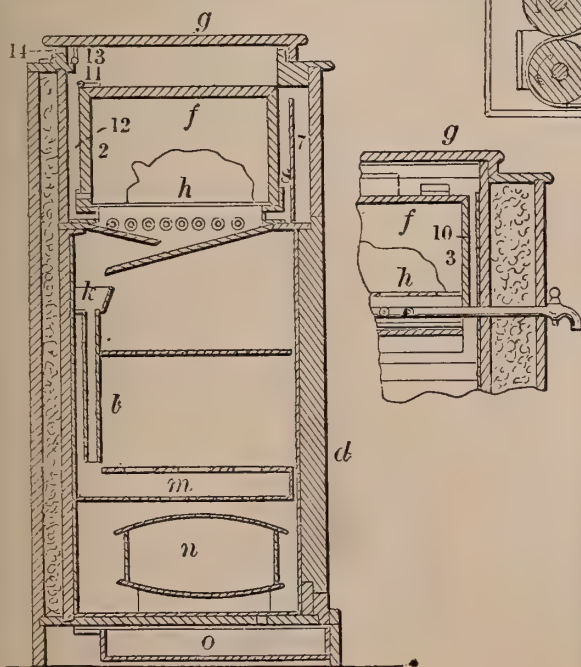
**60661**—N. B. Allen—*Boat Detaching Apparatus.*



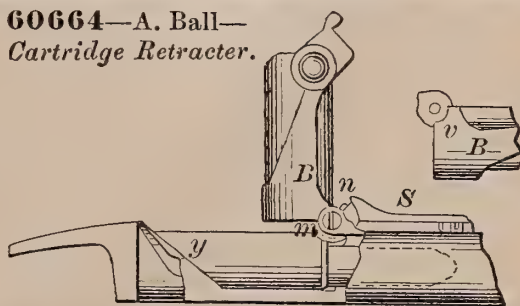
**60663**—E. D. Averell—*Ruling Paper by Electro-Magnetism.*



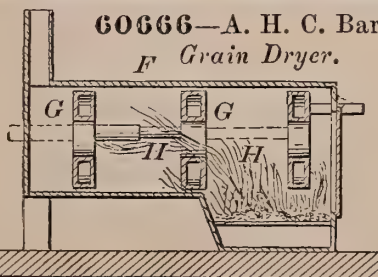
**60665**—G. A. Banta—*Refrigerator.*



**60664**—A. Ball—*Cartridge Retractor.*



**60666**—A. H. C. Barber—*Grain Dryer.*





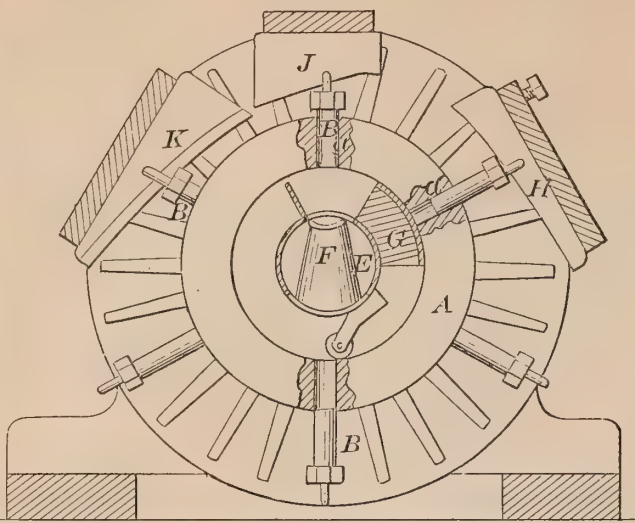
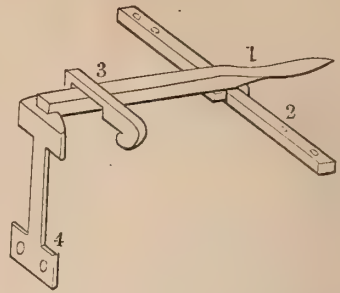
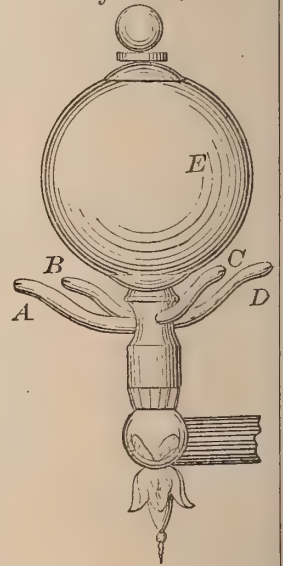
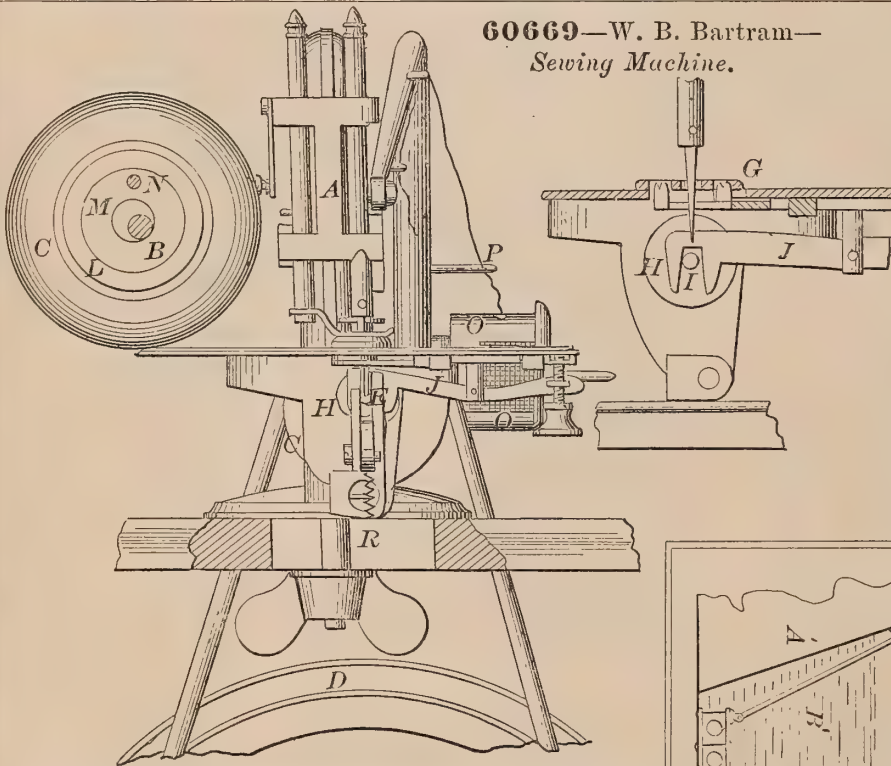
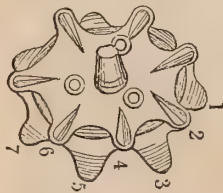
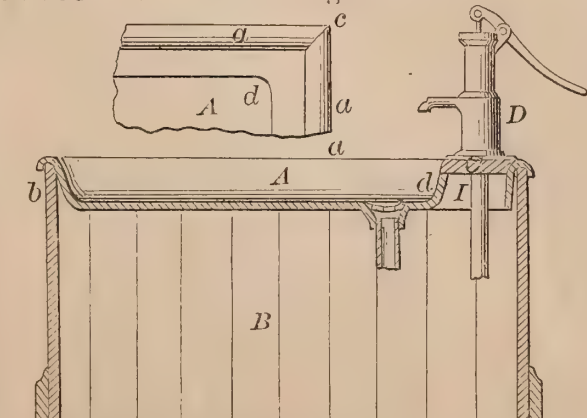
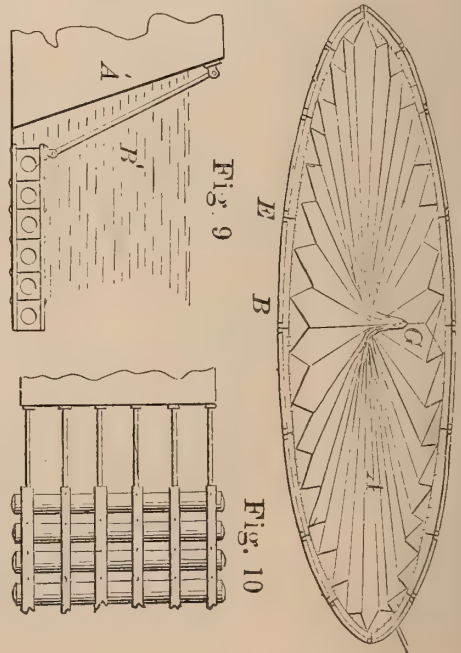
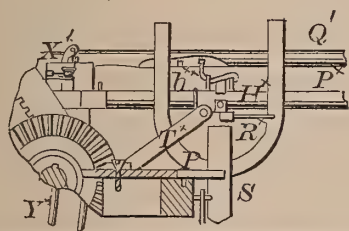
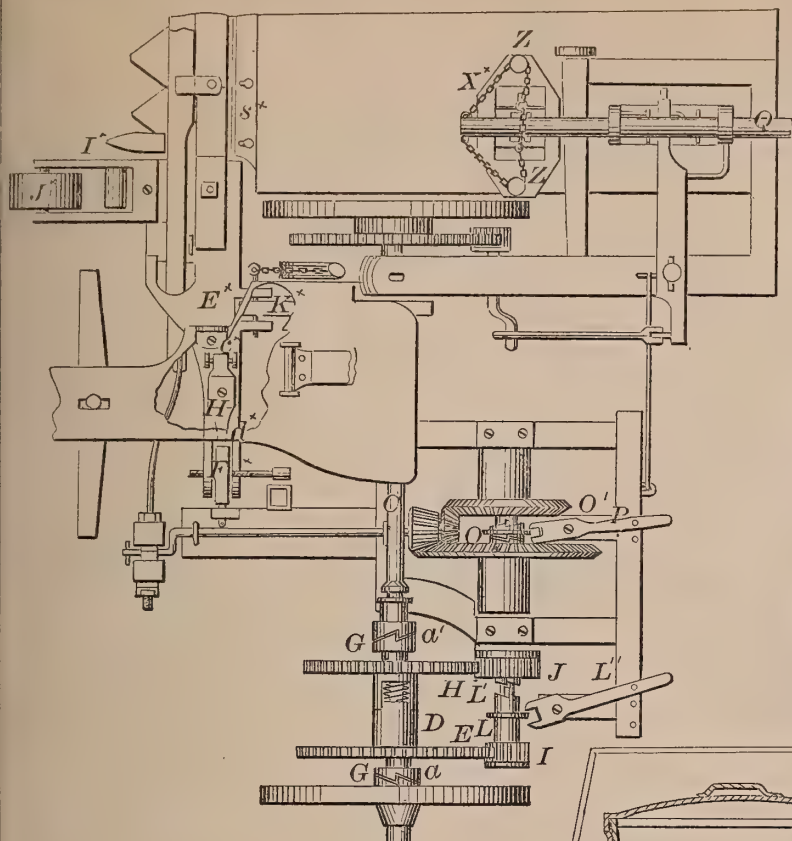
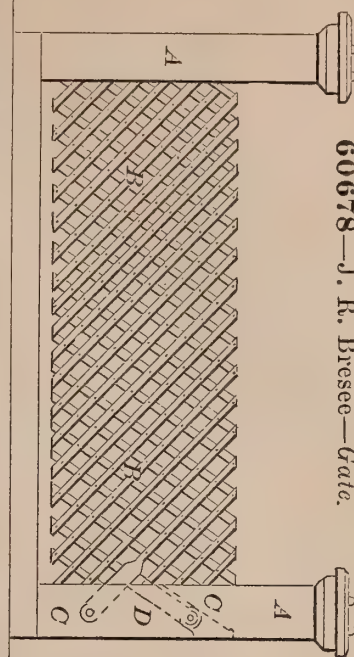
60667—N. H. Barbour—*Peat Machine.*60673—M. Bennett—*Door Fastening.*60674—Berg & Blessing—*Gas Burner and Reflector.*60669—W. B. Bartram—*Sewing Machine.*60668—J. H. Barnes—*Grooved Wheel or Pulley.*60675—L. C & M. C. Bignall—*Sink.*60671—E. Bazin—*For Recovering Sunken Ships.*

Fig. 9

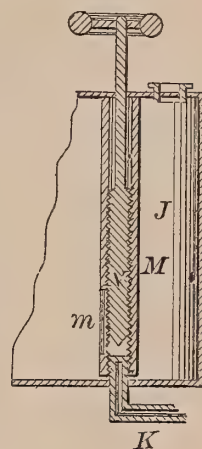
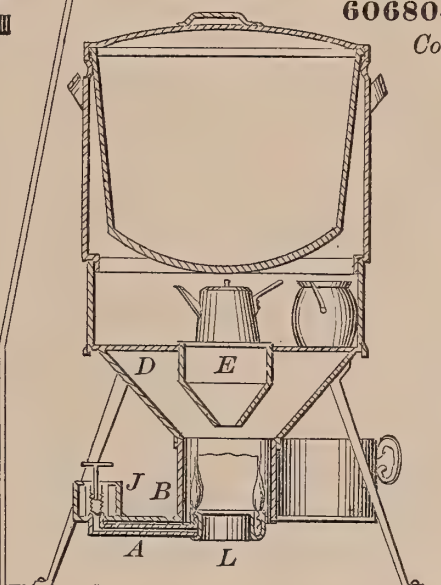
Fig. 10



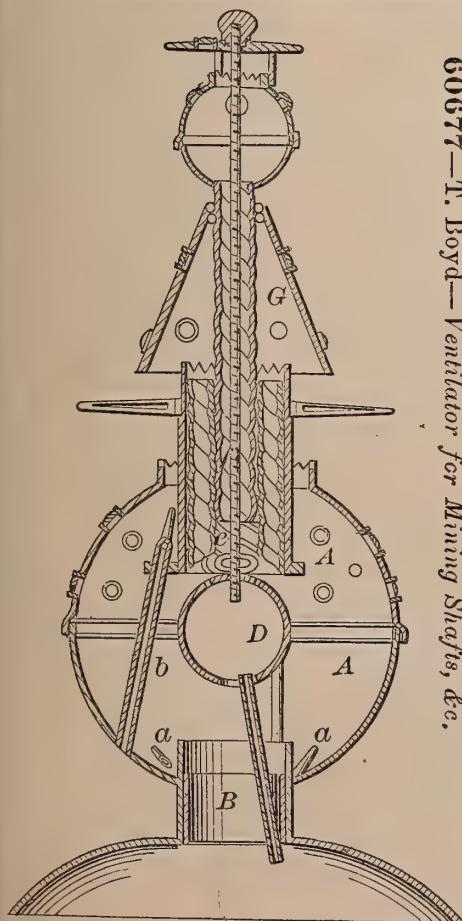
60676—V. W. Blanchard—*Harvester.*

60678—J. R. Bresee—*Gate.*

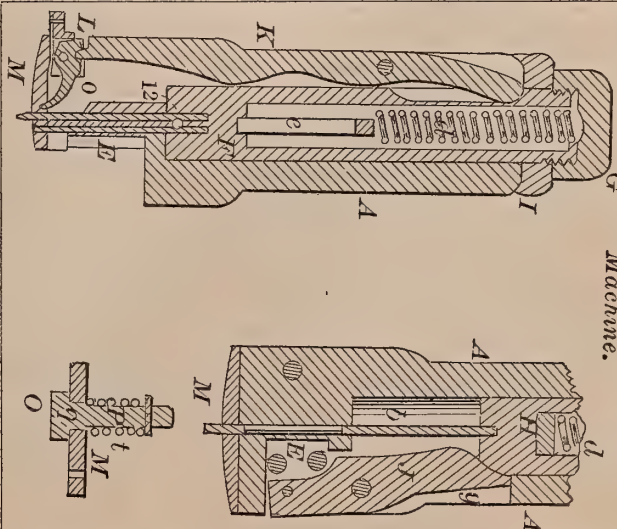
**60680**—F. H. Brown—  
*Coal Oil Stove.*



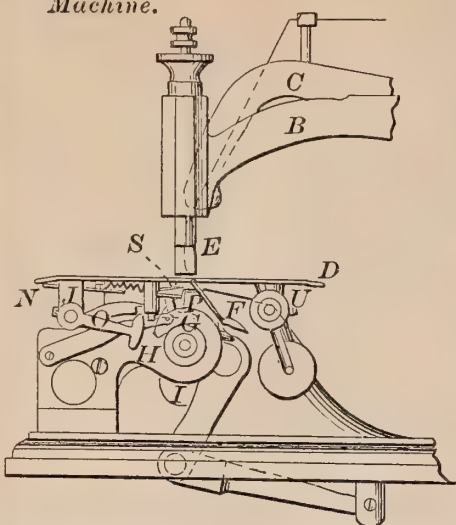
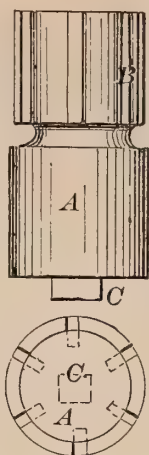
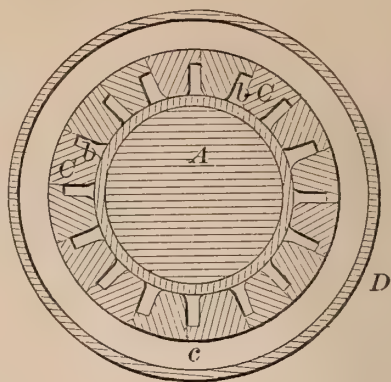
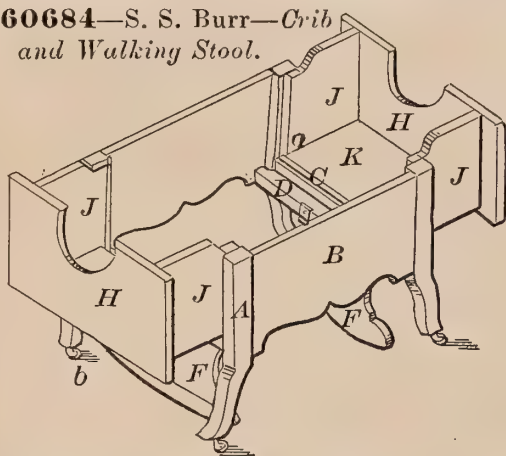
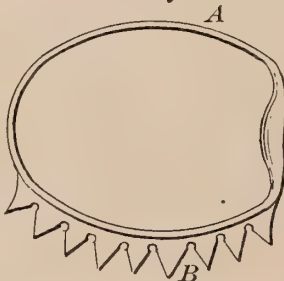
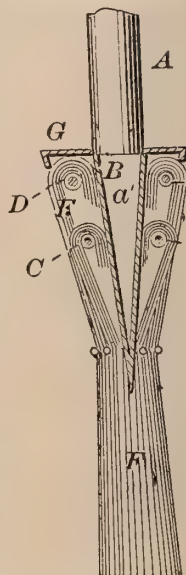
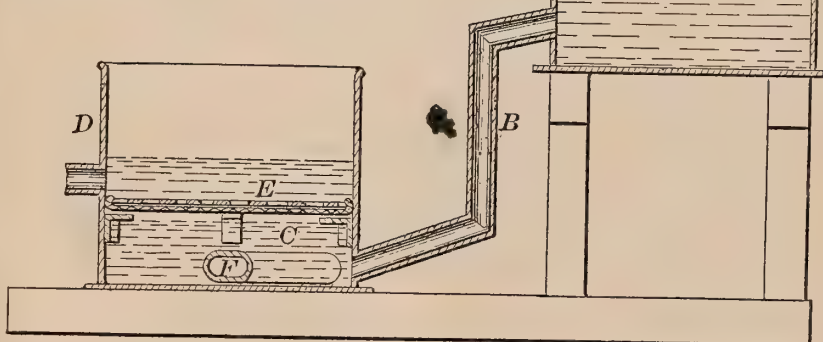
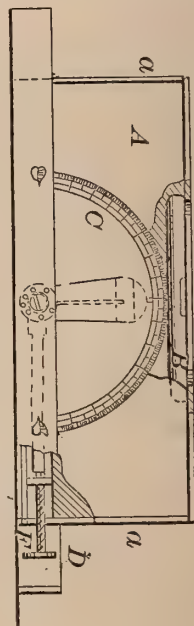
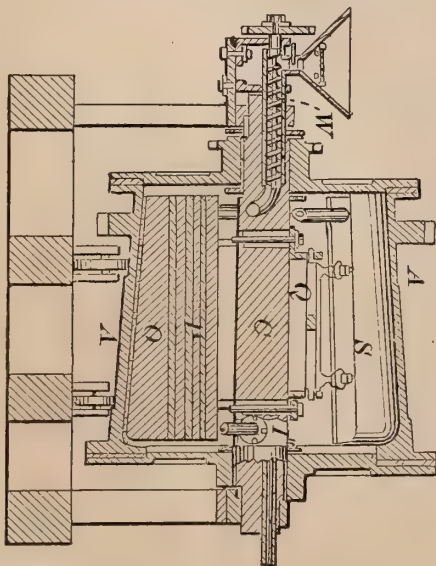
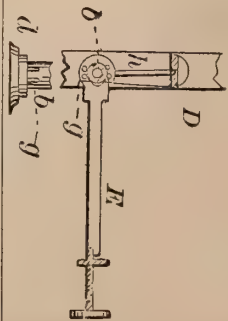
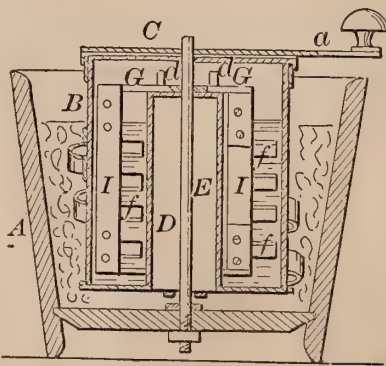
60677—T. Boyd—Ventilator for Mining Shafts, &amp;c.



60681—J. H. Brown—*Hand Pegging Machine.*

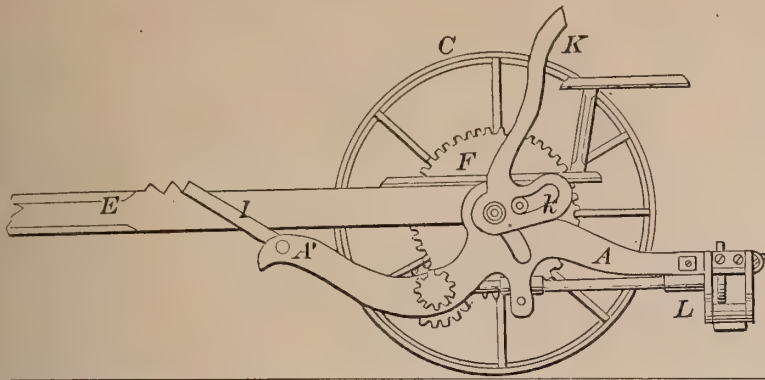




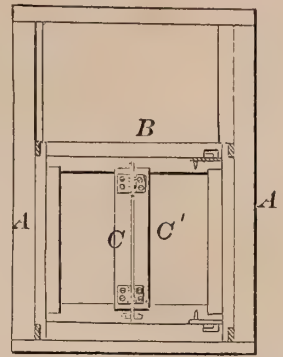
**60682**—L. B. Bruen—*Sewing Machine.***60683**—W. Burlingame—*Reamer.***60686**—J. Cairnes—*Turbine Wheel.***60684**—S. S. Burr—*Crib and Walking Stool.***60687**—F. B. Carleton—*Elastic Hoof Pad.***60688**—T. B. Carroll—*Broom Head.***60685**—W. Cady—*Oil Filter.***60690**—G. L. Chamberlin—*Square and Level.***60691**—C. Clifton—*Paint Mill.***60689**—Cavileer, McCuddy & Woliston—*Ice Cream Freezer.*



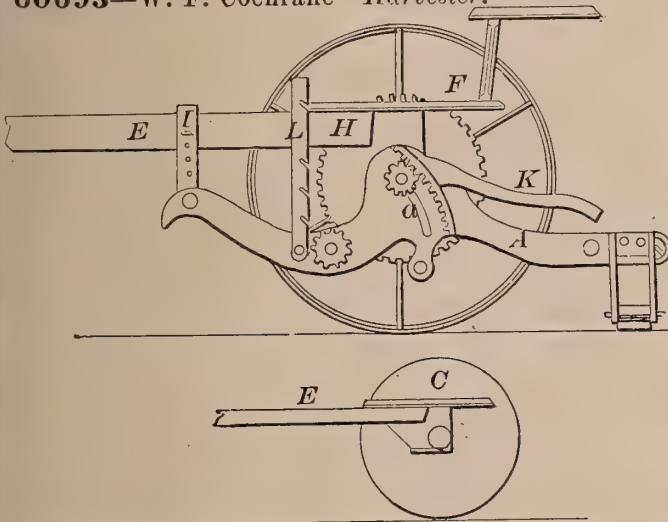
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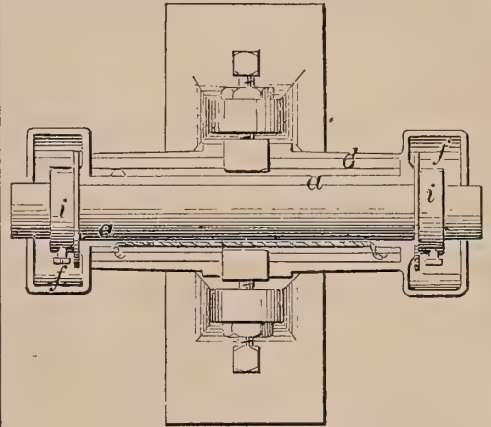
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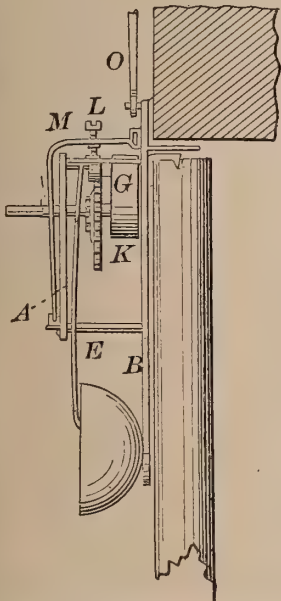
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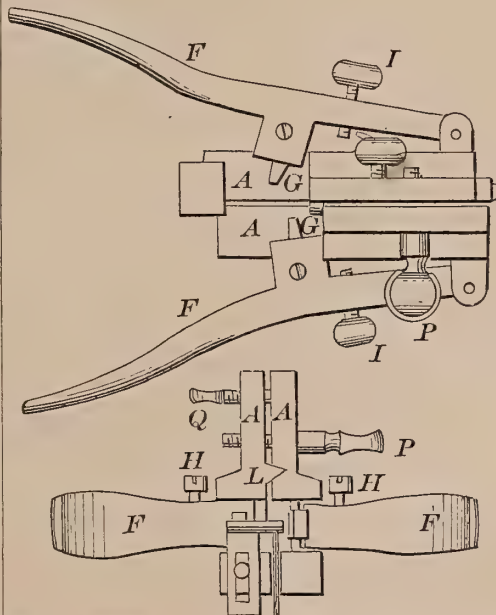
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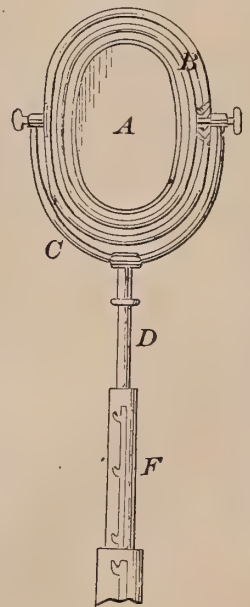
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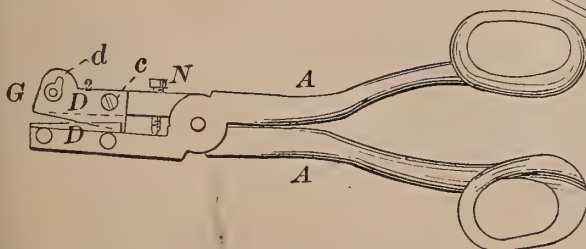
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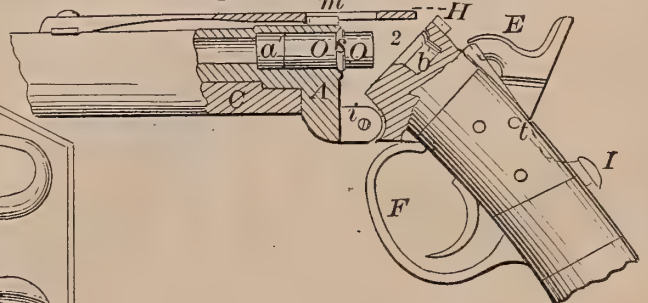
60699—W. C. Cumming—*Hanging Mirror.*



60700—C. N. Cutter—*Button Hole Cutter.*

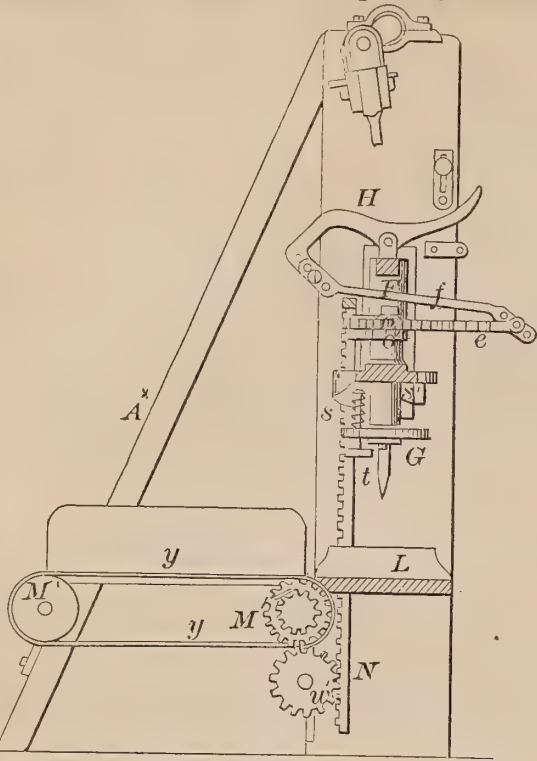


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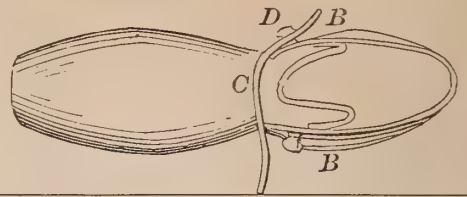




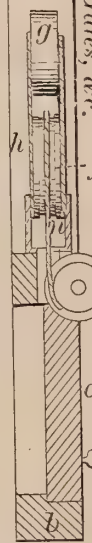
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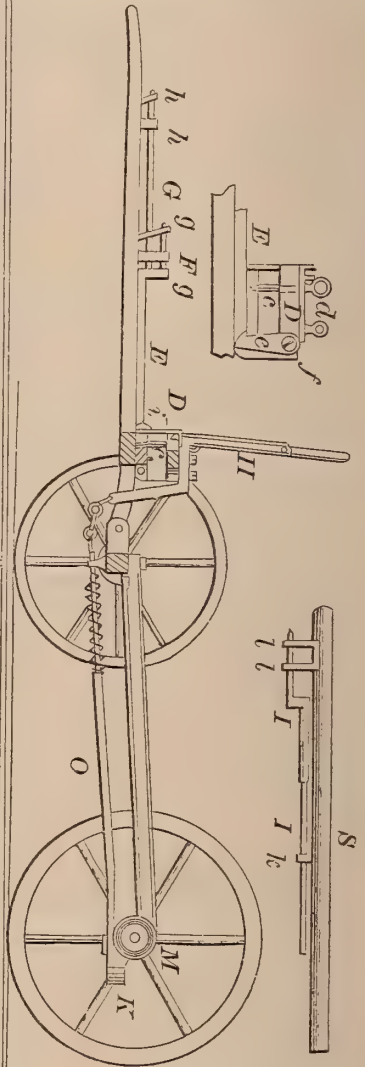
60707—M. Evans—Boots and Shoes.



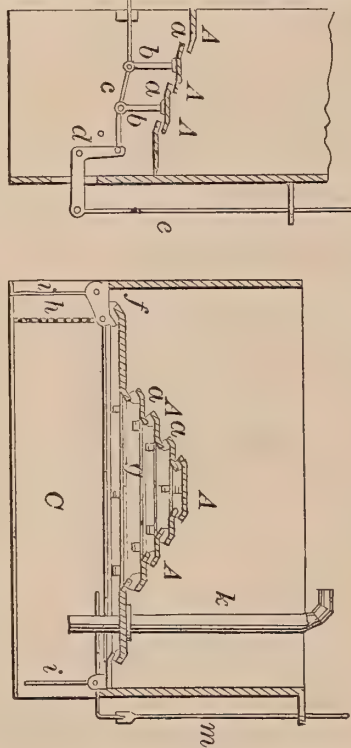
60703—L. S. Deming—For Closing Doors, Gates, &amp;c.



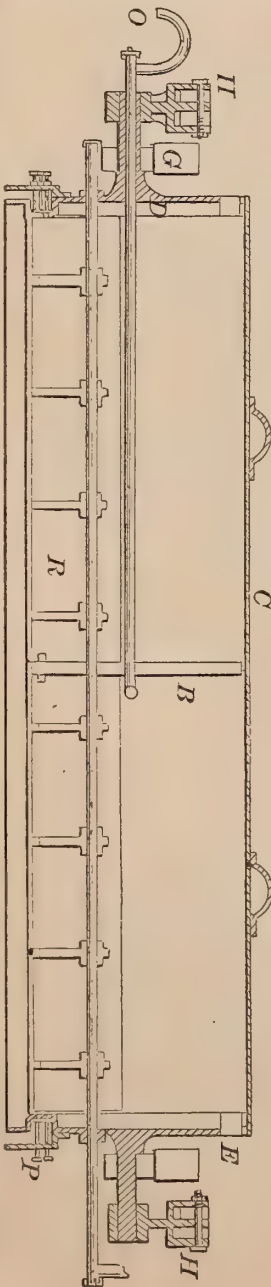
60705—C. Duernux—Carriage Safety Attachment.



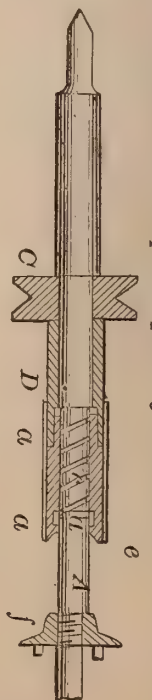
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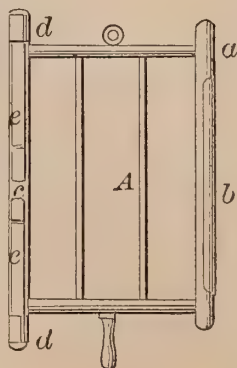
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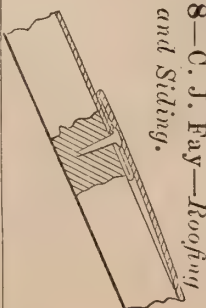
60704—G. Draper—Spinning Machines.



60710—J. Fleischl—Paper Tile.

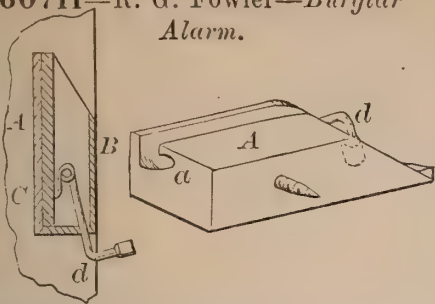


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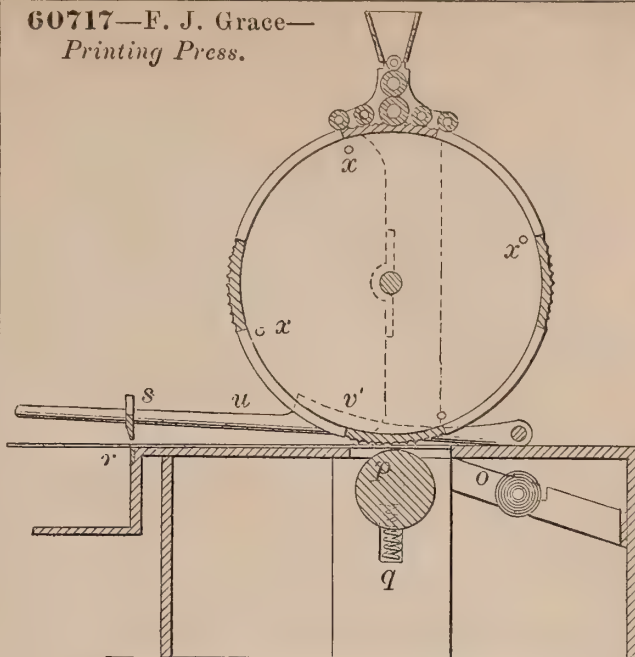




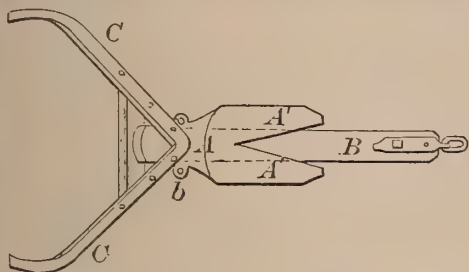
60711—R. G. Fowler—*Burglar Alarm.*



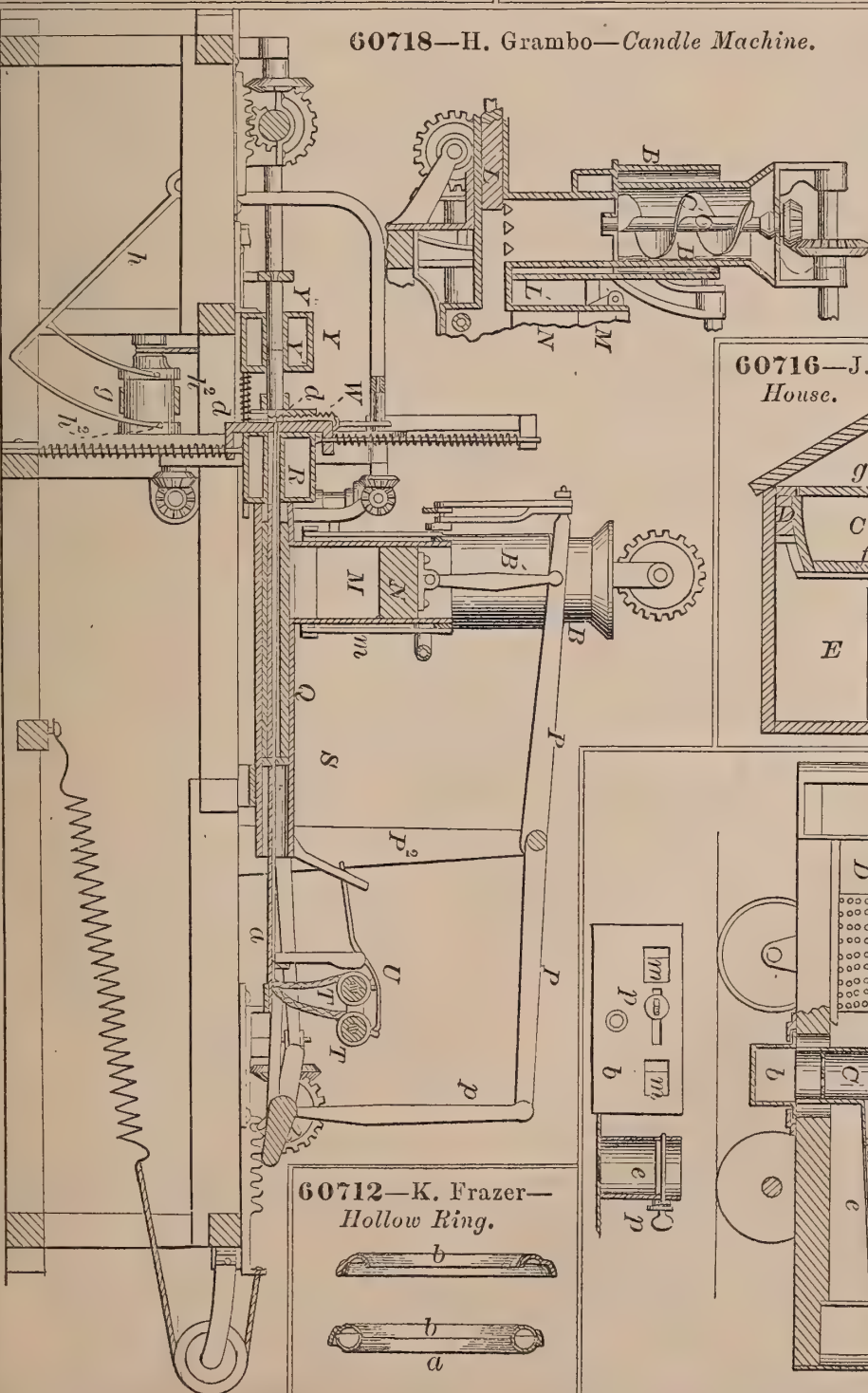
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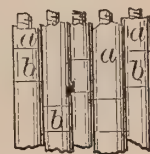
60715—B. Goodrich—*Root Extractor.*



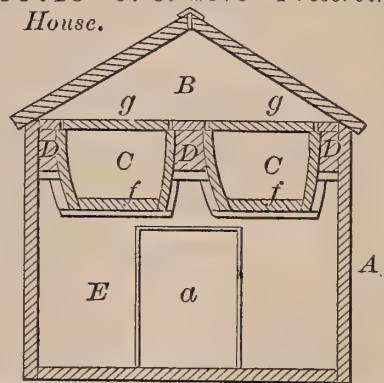
60718—H. Grambo—*Candle Machine.*



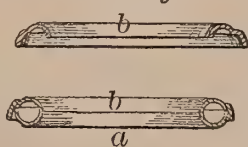
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W. H. Gates—*Machine Belting.*



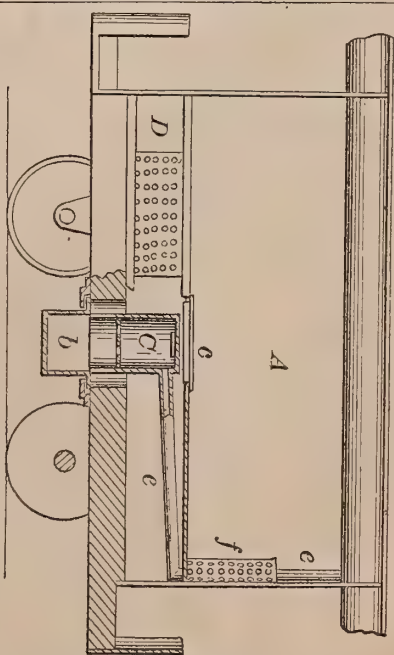
60716—J. C. Gove—*Preserving House.*



60712—K. Frazer—*Hollow Ring.*

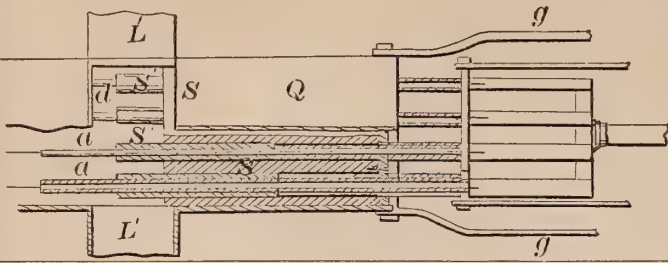


60714—J. Gibson, Jr.—*Car Heater.*

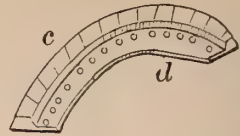




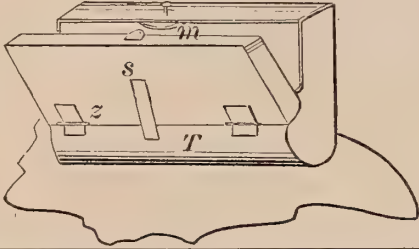
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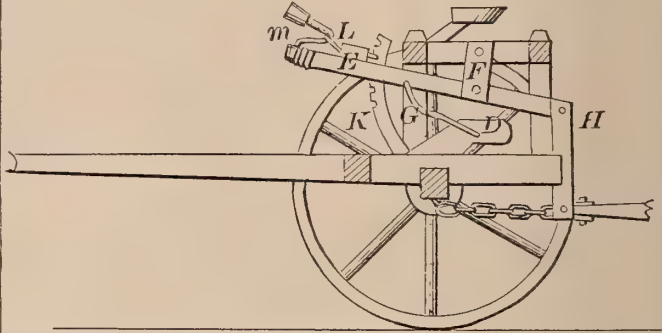
60719—J. Gray—Wear Plate for Boots and Shoes.



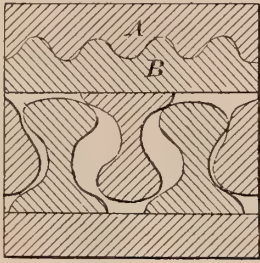
60720—G. Hamel—Safety Pocket.



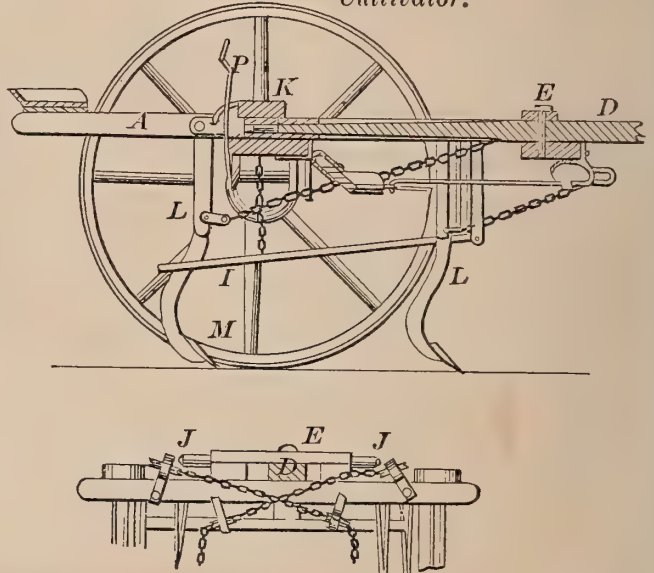
60721—Hammitt &amp; Miller—Plow Carriage.



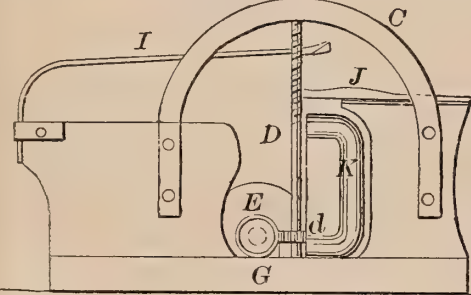
60723—L. M. Hart—Making Steel Headed Rails.



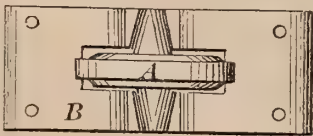
60722—Hammon, Lincoln, Lincoln &amp; Hammon—Cultivator.



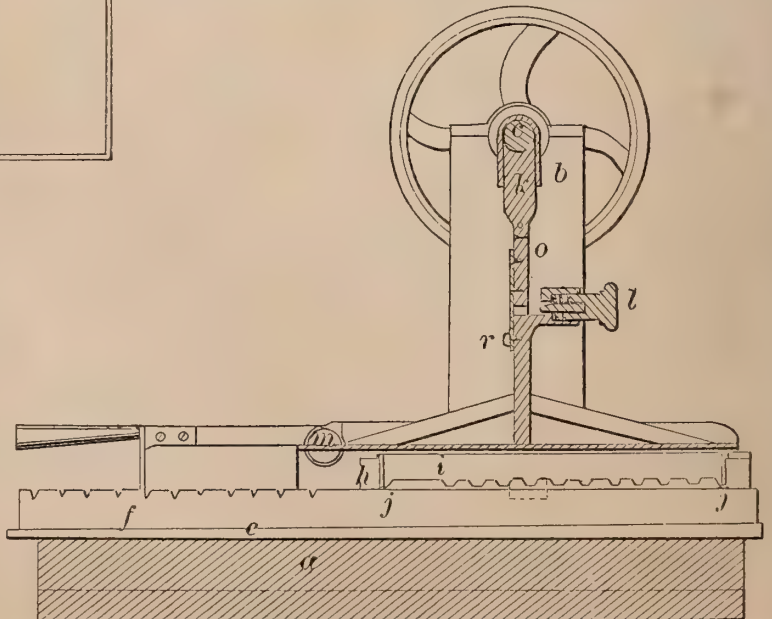
60724—Helton &amp; Redfield—Grinding Mill.



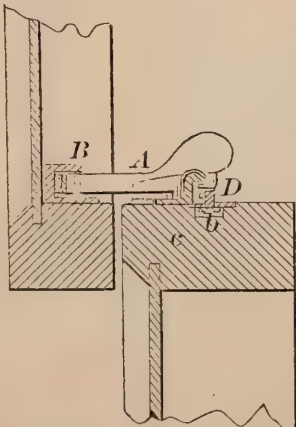
60725—W. Herrick—Saw Mill.



60726—L. Heuser—Embossing Machine.

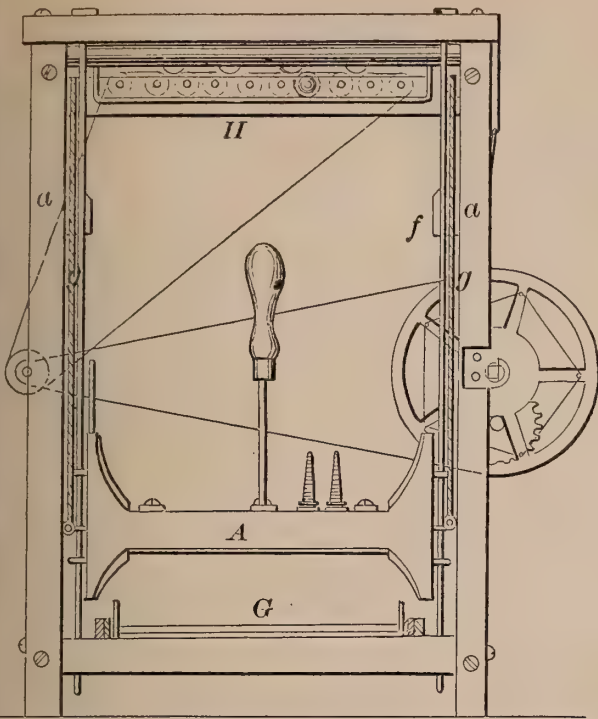


60727—E. F. Hofmann—Window Latch.

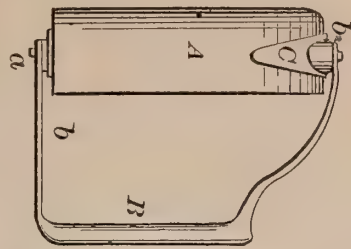




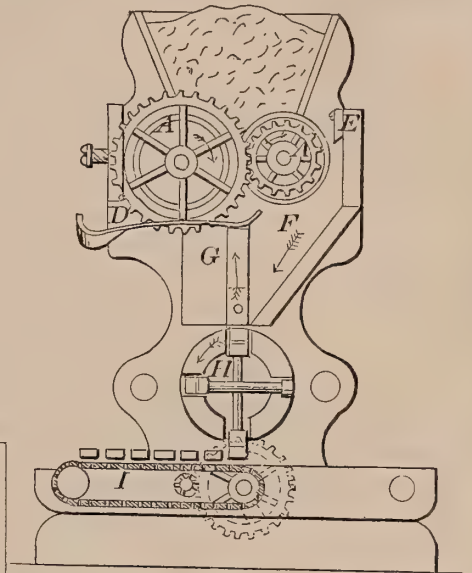
**60728**—Hoover & Hadley—*For Spinning, Twisting and Reeling.*



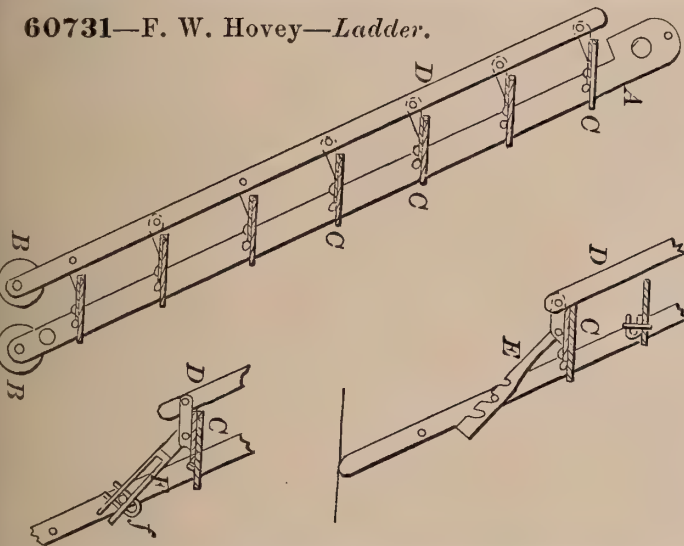
**60729**—H. W. Hopkins—*Sud Stone.*



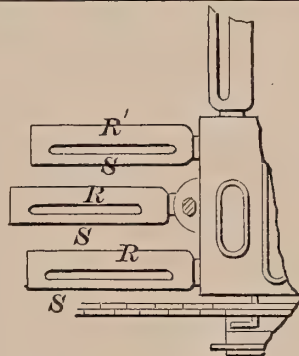
**60730**—B. Hotchkiss—*Peat Machine.*



**60731**—F. W. Hovey—*Ladder.*



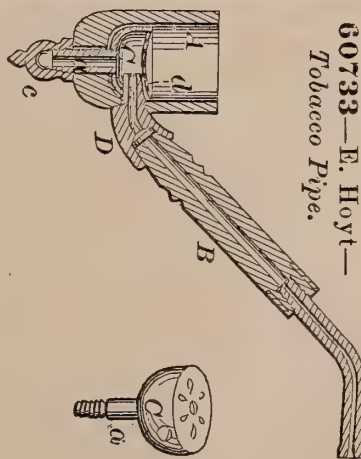
**60732**—H. Howard—*Heating Apparatus.*



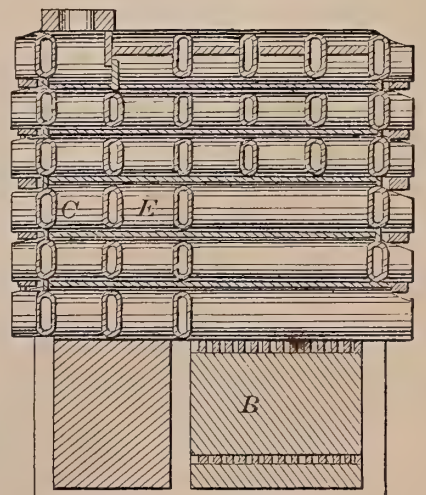
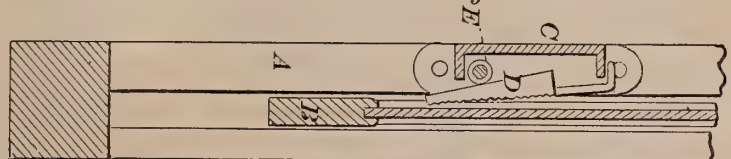
**60734**—Z. Hussey—*Heating Stove.*



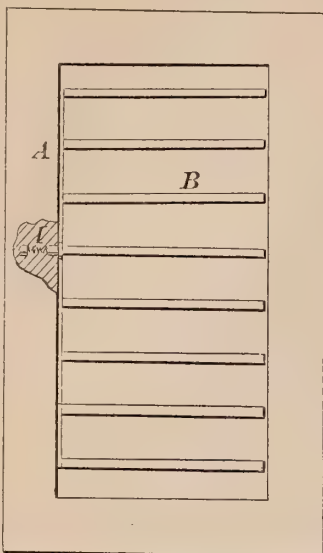
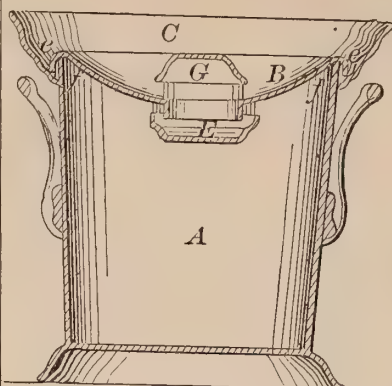
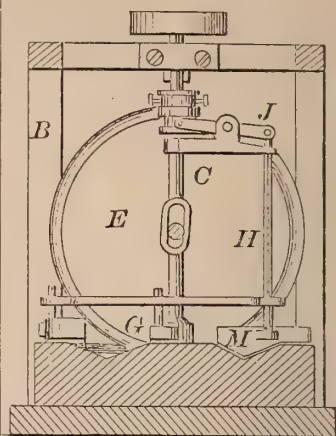
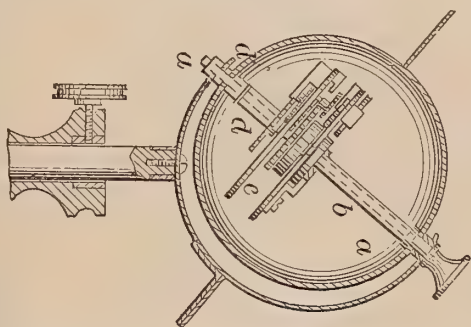
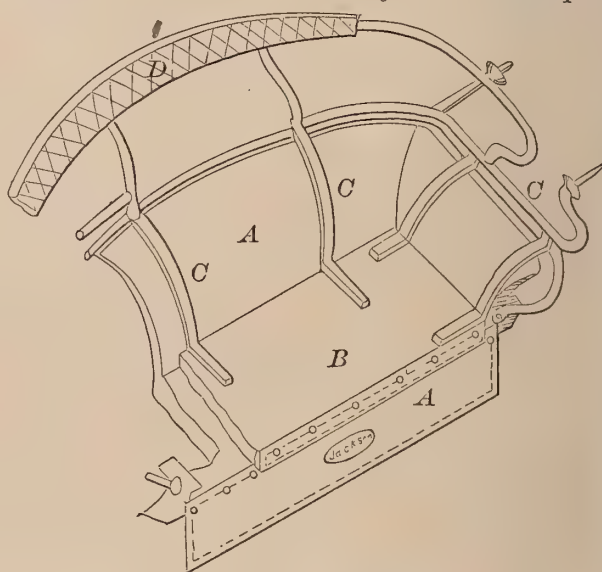
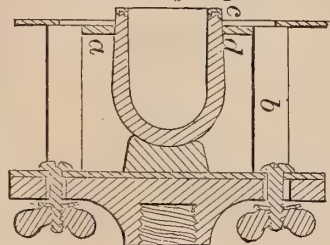
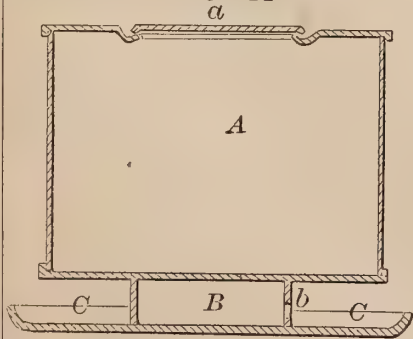
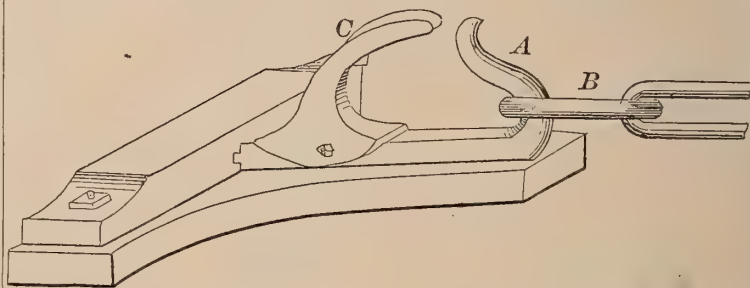
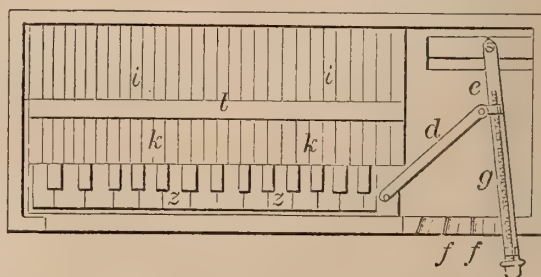
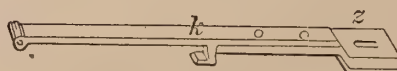
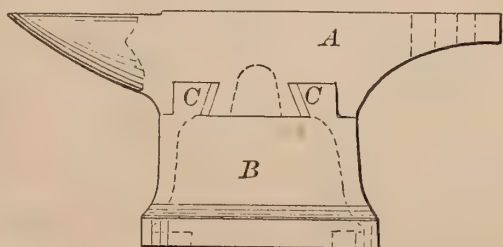
**60733**—E. Hoyt—*Tobacco Pipe.*



**60735**—R. Hutton—*Sash Fastening.*

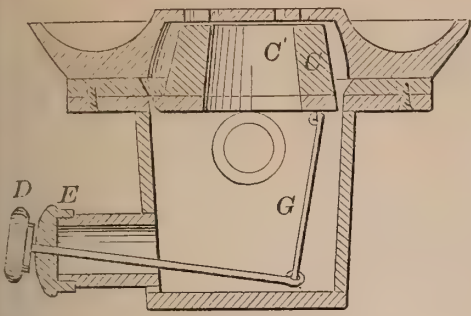




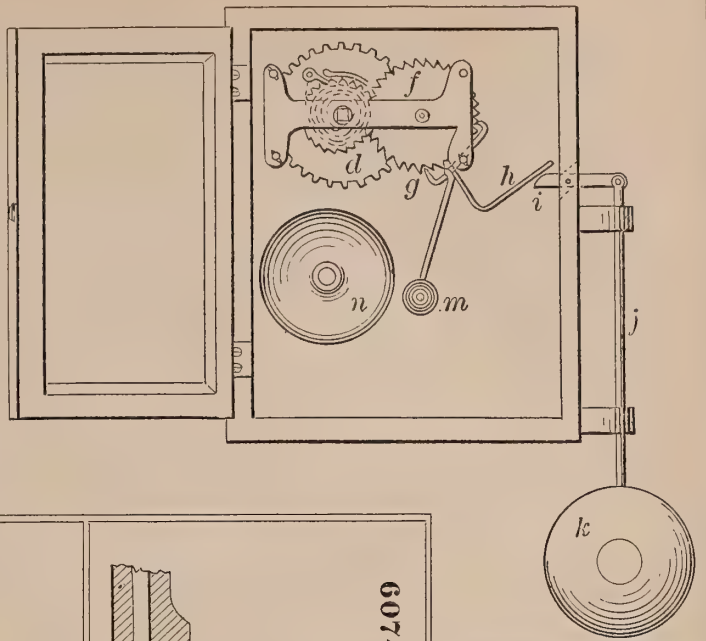
60736—R. Hutton—*Blind.*60738—J. C. Jewett—*Slop Jar.*60739—G. D. Jones—*Quartz Mill.*60740—L. P. Juvet—*Time Globe.*60737—F. Jackson—*Carriage Seat and Top.*60742—W. Kerr—*Clamp for Smoking Pipes.*60743—H. M. Kinsley—*Lunch Heating Apparatus.*60741—J. Kelly—*Car Coupling.*60744—G. B. Kirkham—*Key Board for Musical Instrument.*60745—L. Kirkhup—*Anvil.*



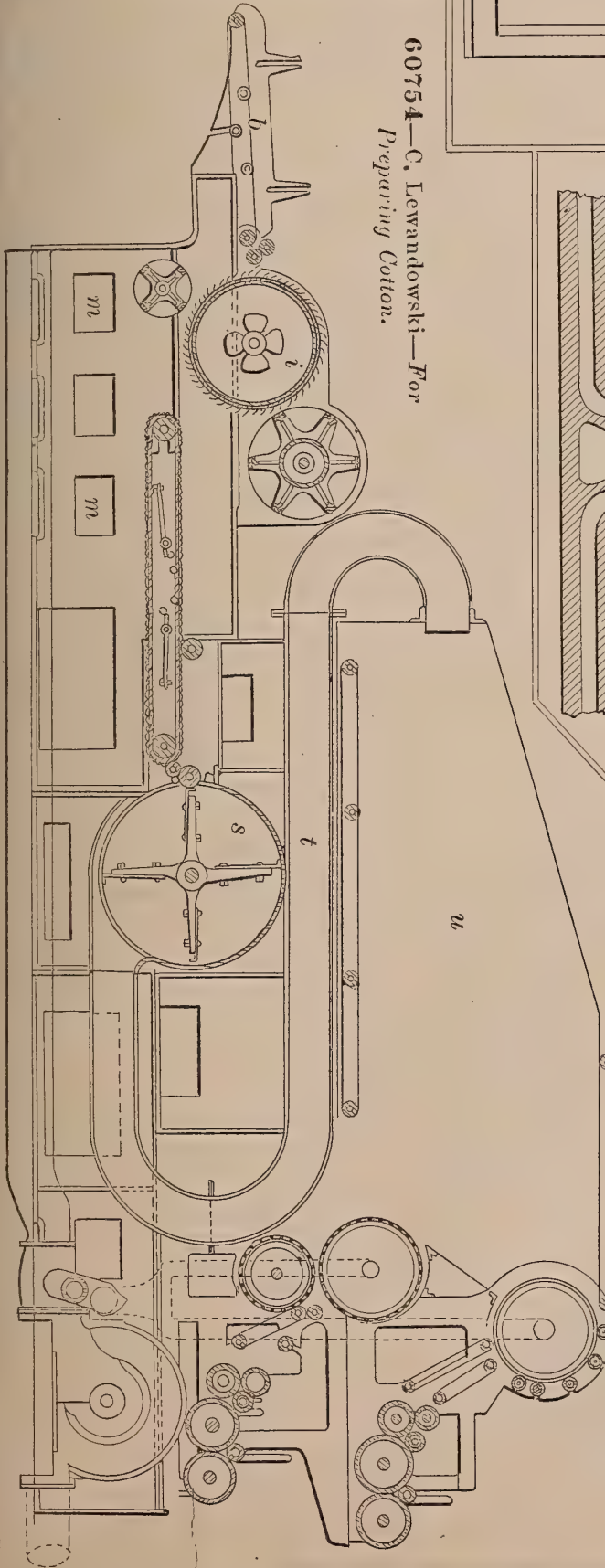
60746—E. Koons—*Tuyere.*



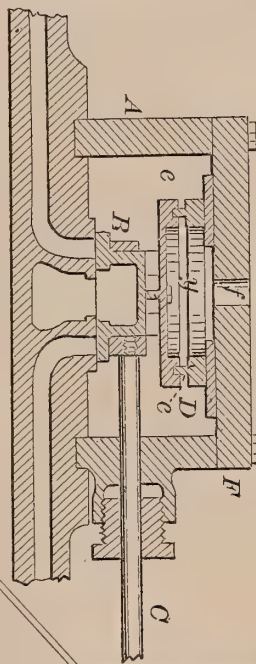
60749—N. D. Lamb—*Leak Signal.*



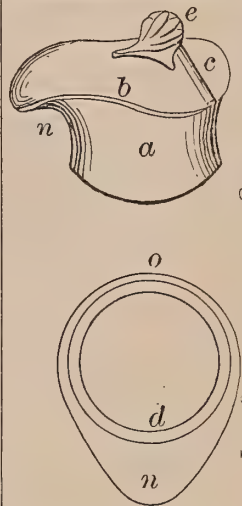
60754—C. Lewandowski—*For Preparing Cotton.*



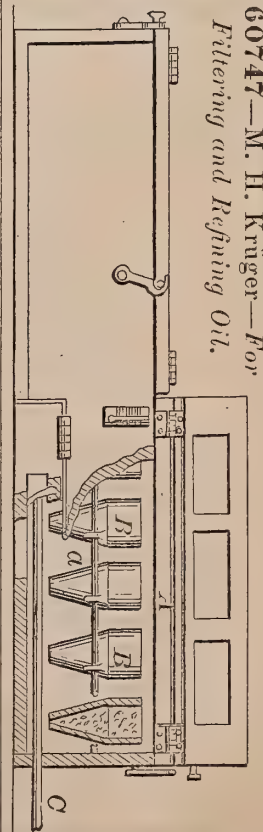
60748—Lahaye & Reeves—*Slide Valve.*



60750—Lang & Lauster—*Jug Top.*



60747—M. H. Krüger—*For Filtering and Refining Oil.*

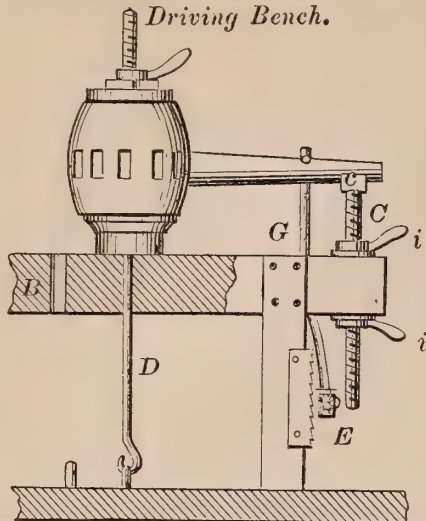


60751—C. W. Le Count—*Lathe Dog.*

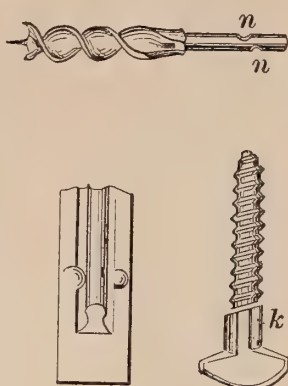




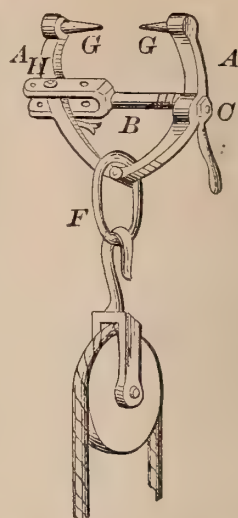
**60752**—F. M. Lemmon—*Spoke Driving Bench.*



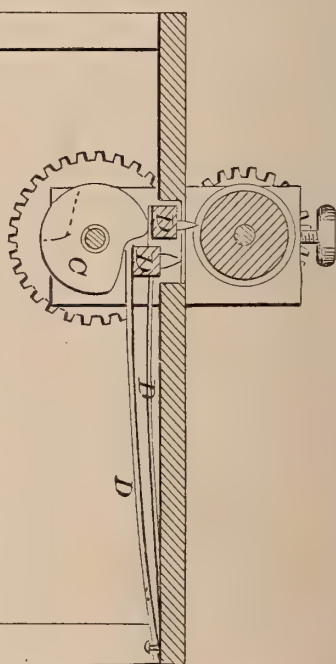
**60756**—H. T. Love—*Railroad Rail Fastening.*



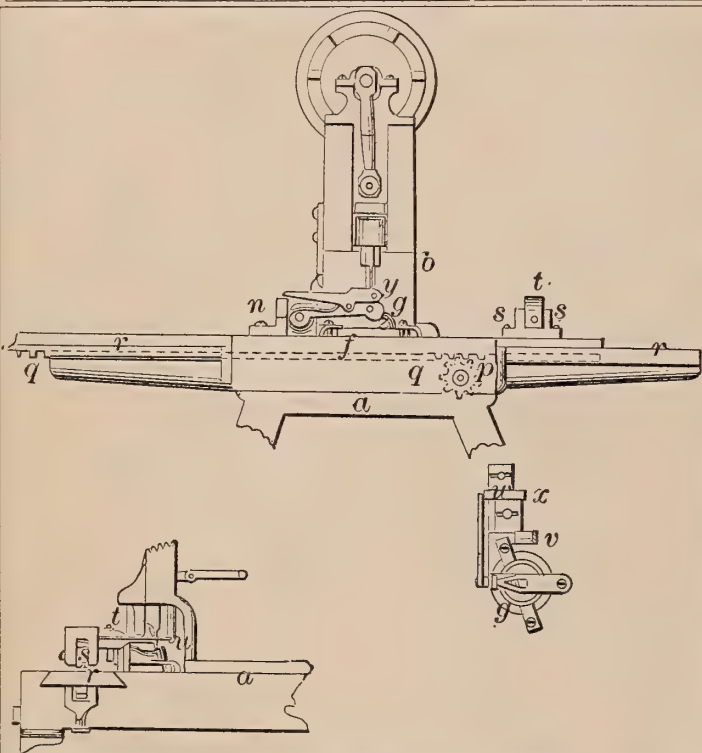
**60758**—G. B. & C. Lewis—*For Suspending Horse Hay Forks, &c.*



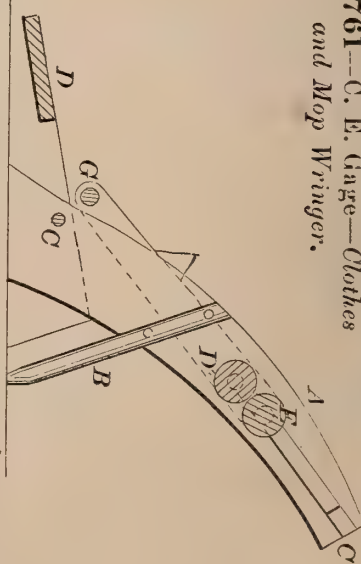
**60764**—H. D. Martin—*Fly Net Cutting Machine.*



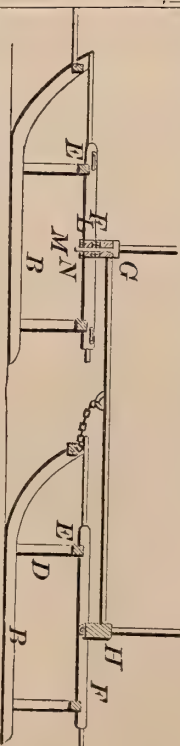
**60763**—Marsh & Kelly—*For Punching Steel Pen Blanks.*



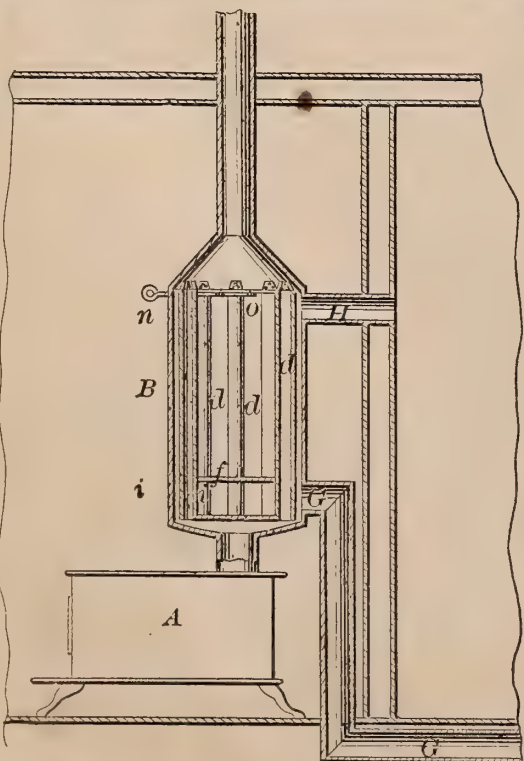
**60761**—C. E. Gage—*Clothes and Mop Winger.*



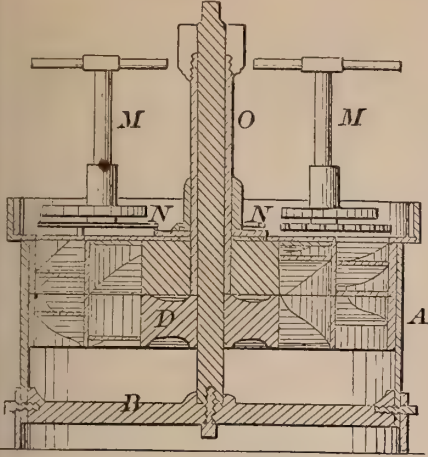
**60765**—W. M. C. Mathews—*Sleigh.*



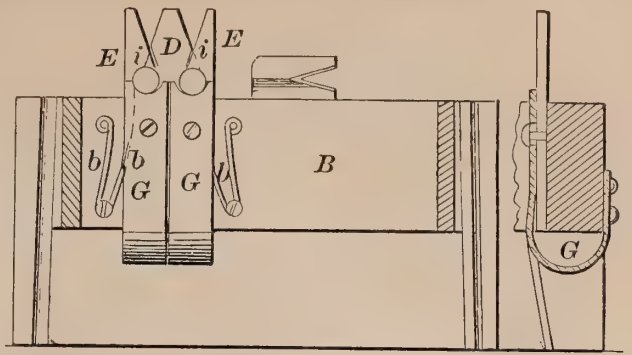
**60760**—J. H. Loomis—*For Ventilating and Heating Rooms.*



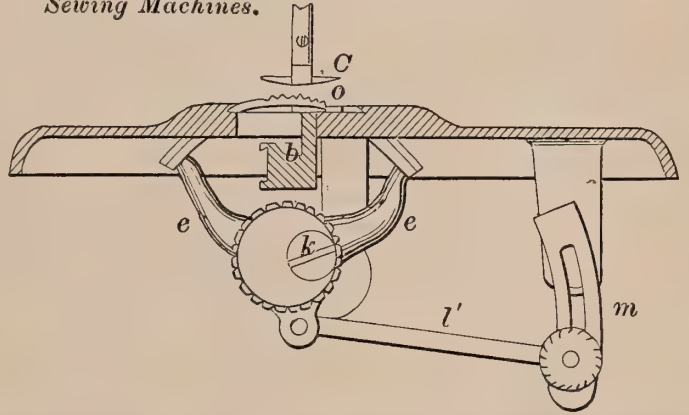
**60766**—G. W. McCann—*Water Wheel.*



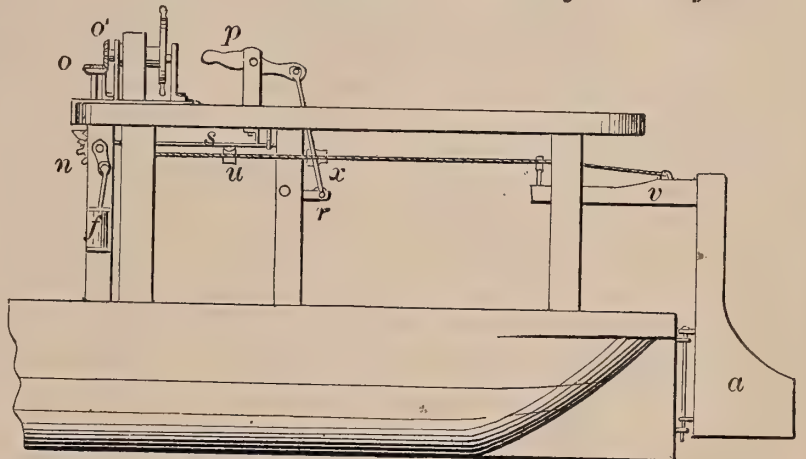
**60768**—M. Mellinger—*Cane Stripper.*



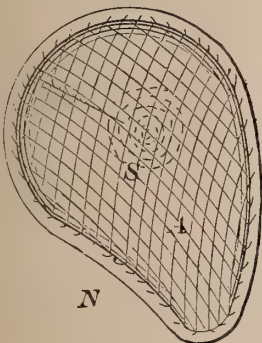
**60769**—M. H. Merriam—*Feed Mechanism for Sewing Machines.*



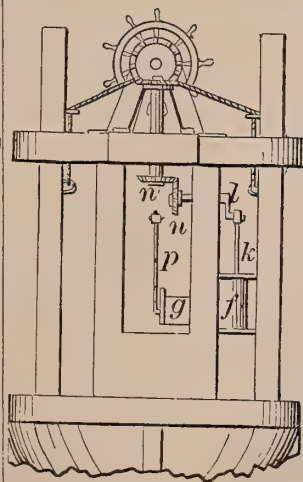
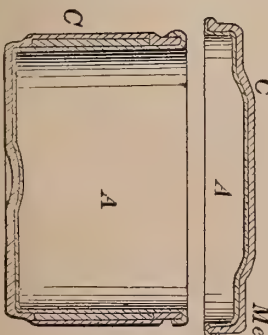
**60771**—W. J. Millar—*For Steering Vessels by Steam.*



**60767**—A. S. & J. P. McLean—*Breast Pad.*



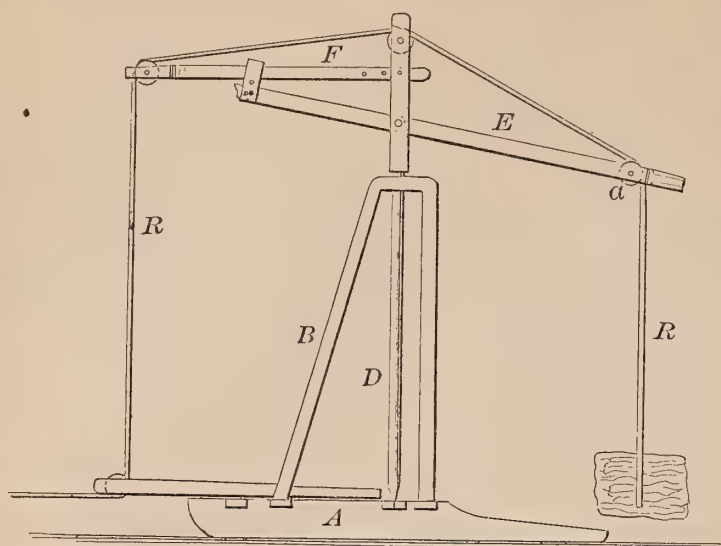
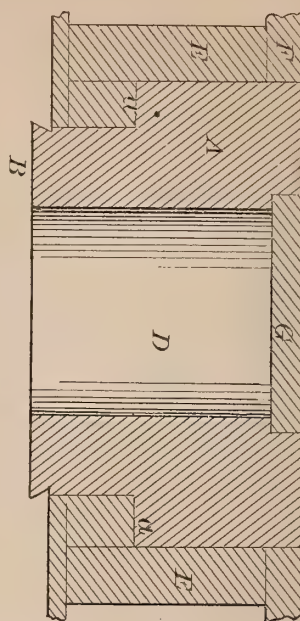
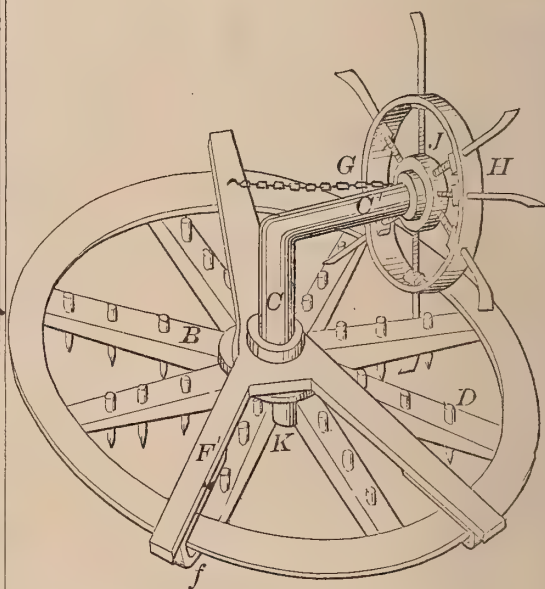
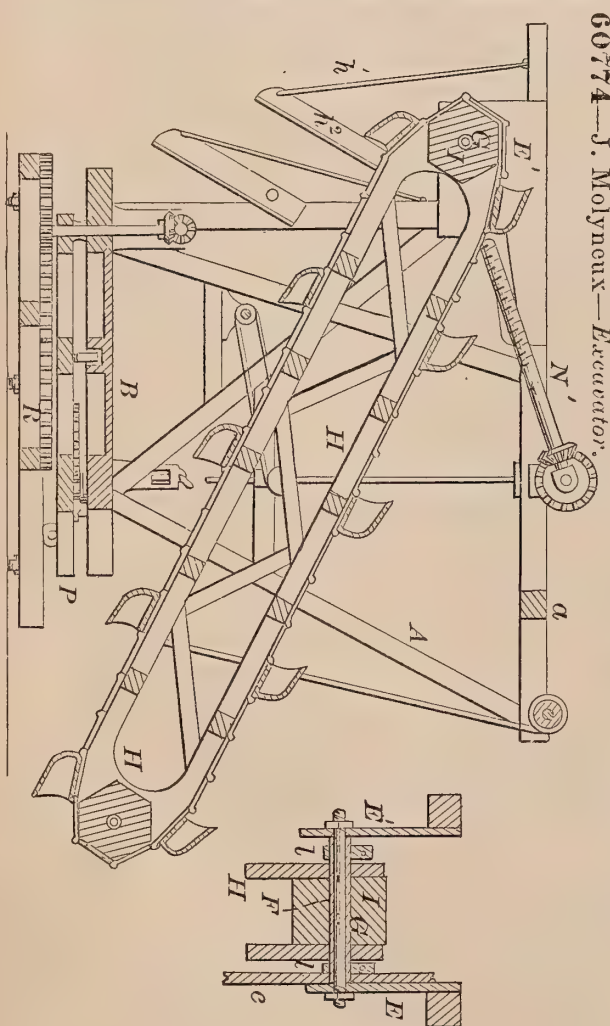
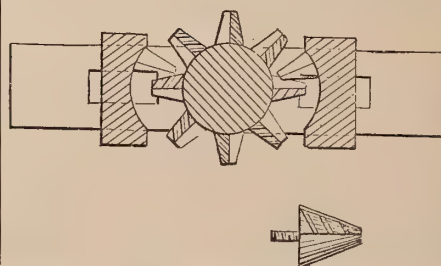
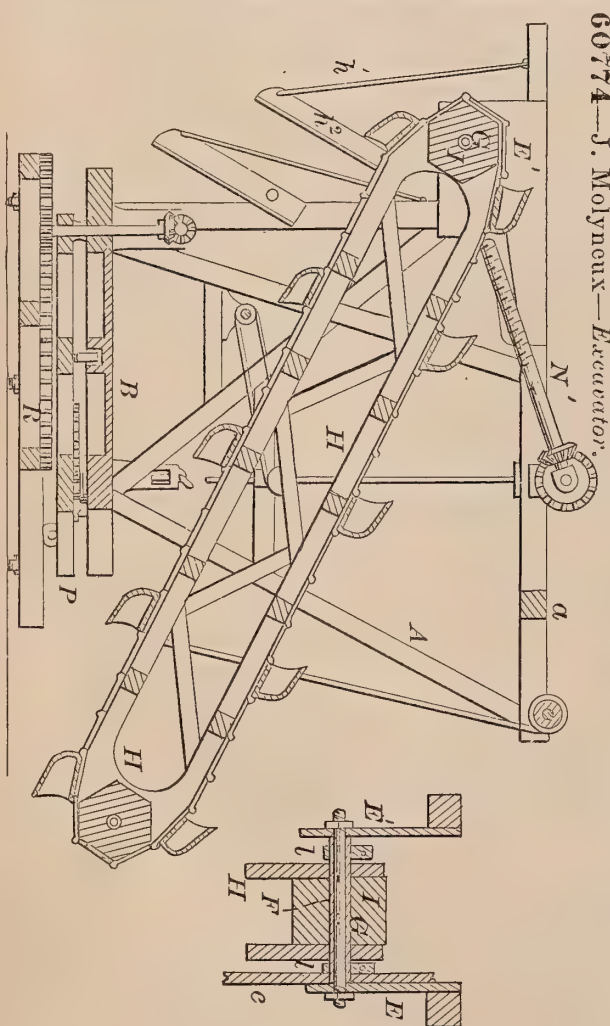
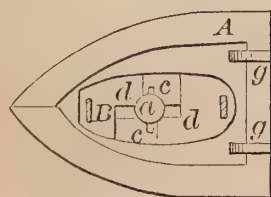
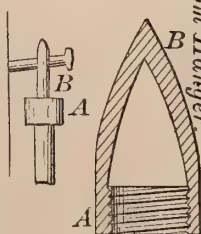
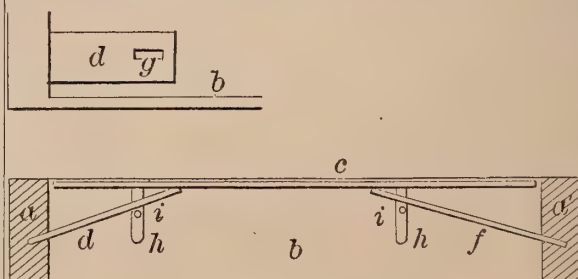
**60770**—P. P. Meyer—*For Making Sheet Metal Vessels.*



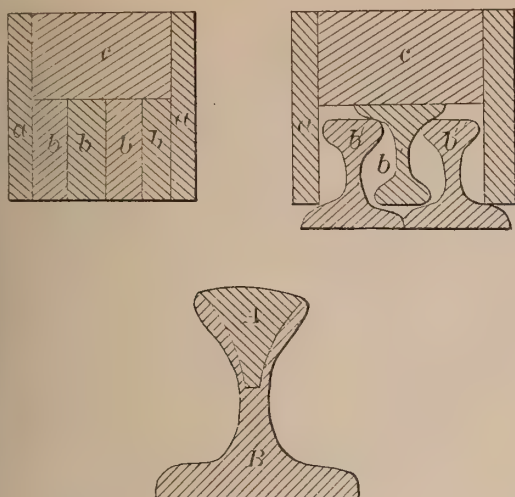
**60772**—M. Miller—*Toy Wind Wheel.*



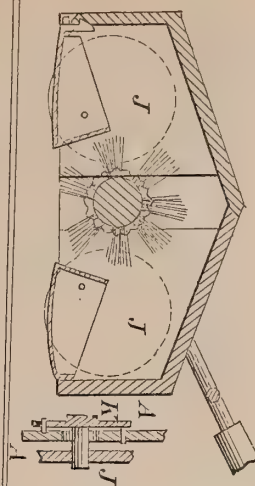


60773—M. Mitchell—*Hay Elevator.*60777—T. Newell—*Stone Pipe Thimble.*60776—D. Morris—*Rotary Harrow.*60778—N. Palmer—*Threshing Machine.*60774—J. Molynaux—*Excavator.*60775—T. C. Moore—*Smoothing Iron.*60779—J. L. Patterson—*Broom Hanger.*60782—G. H. Pool—*Spring Bed.*

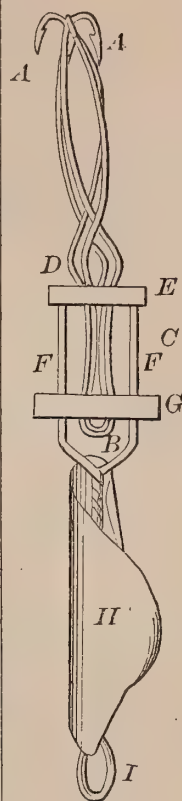
60783—S. L. Potter—*Railroad Rail Fagot.*



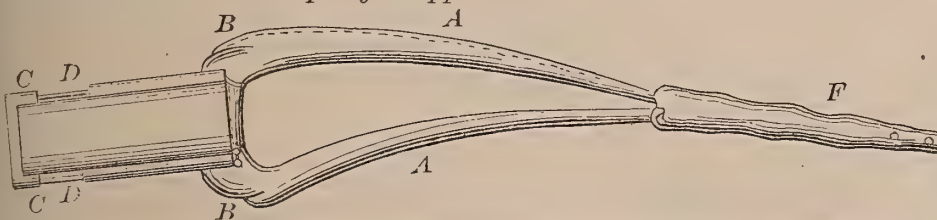
60785—G. & J. H. Purrington—*Carpet Sleeper.*



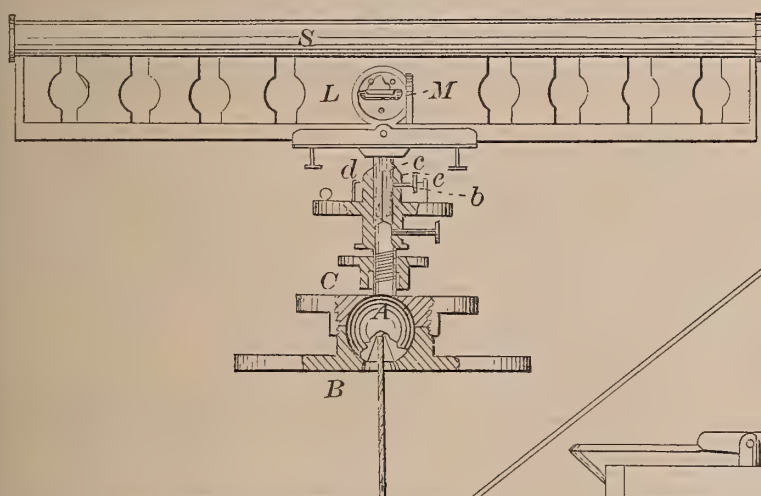
60786—E. & J. W. Rhoades—*Spring Fish Hook.*



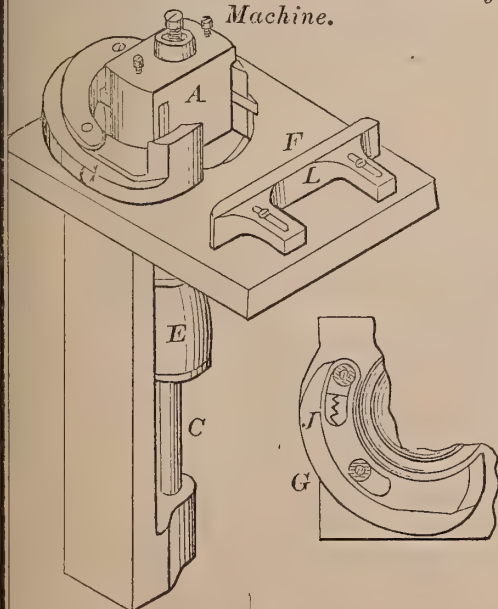
60784—E. Powell—*Spring Crupper.*



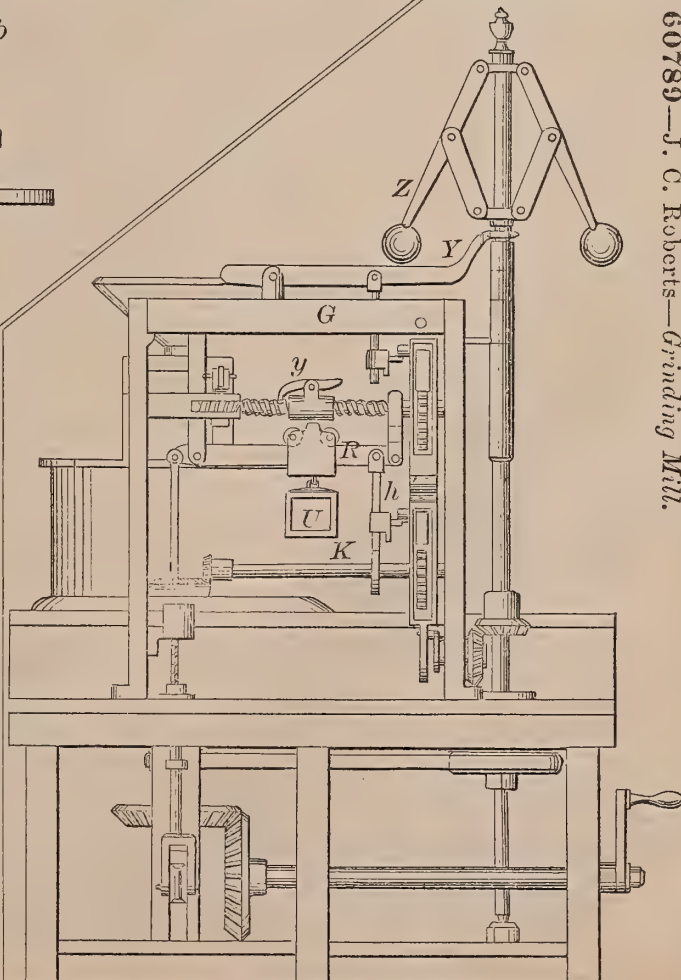
60788—W. L. Richardson—*Level.*



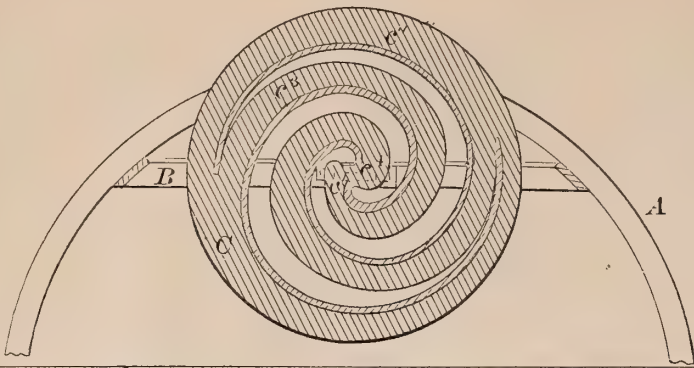
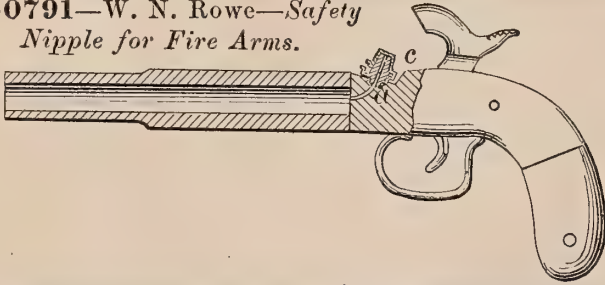
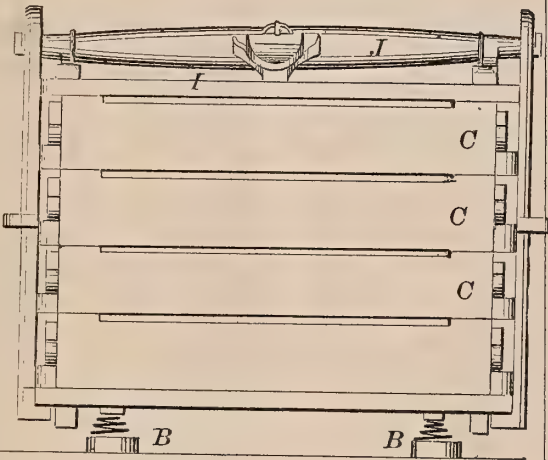
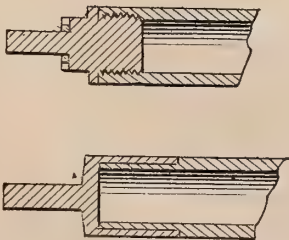
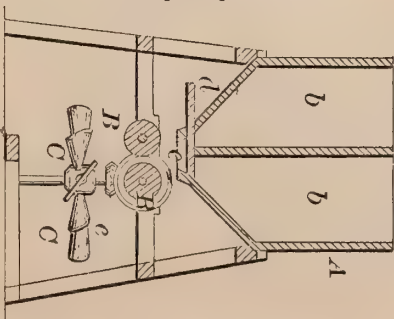
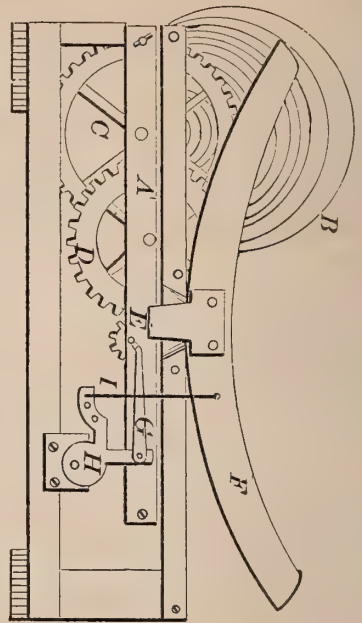
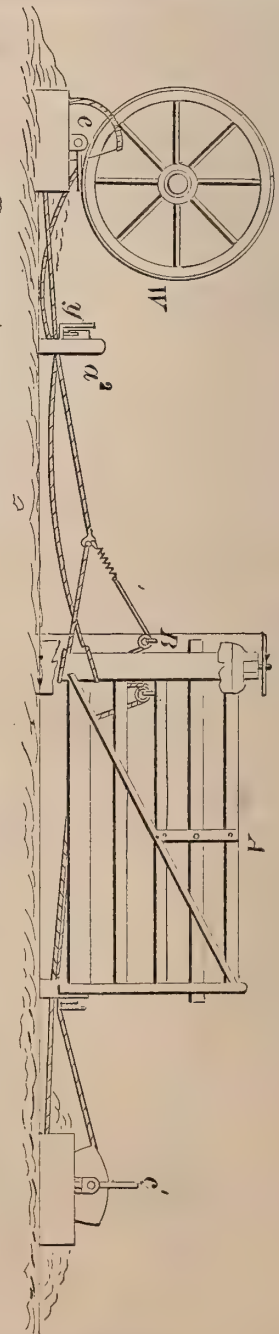
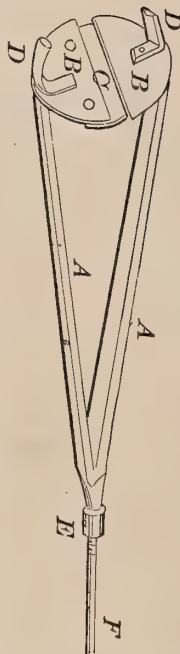
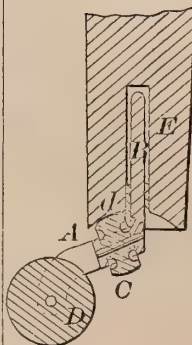
60787—S. M. Richardson—*Planing Machine.*



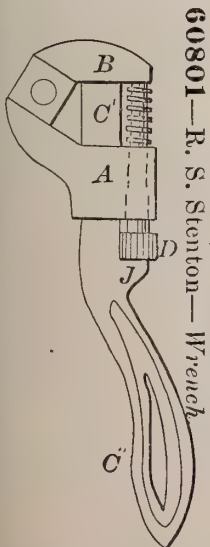
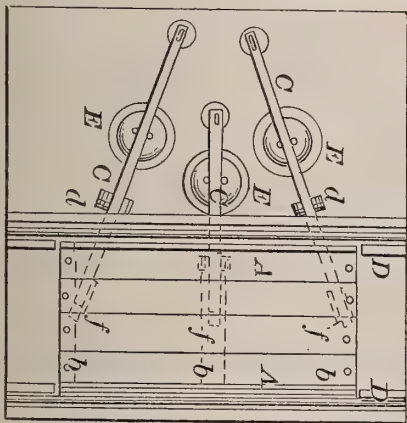
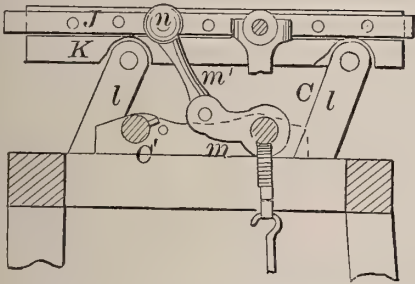
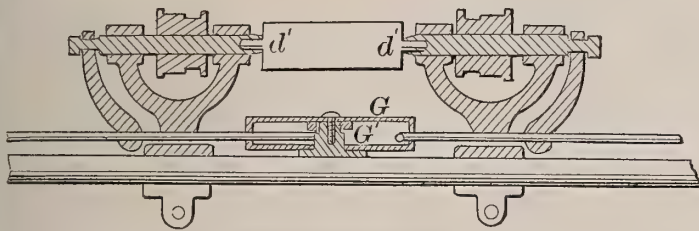
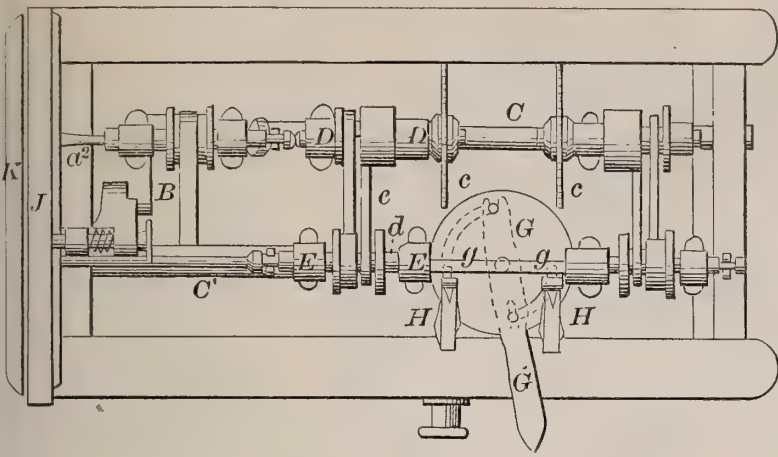
60789—J. C. Roberts—*Grinding Mill.*





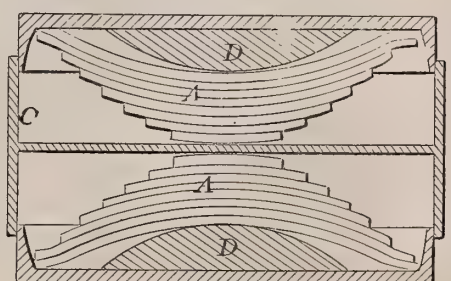
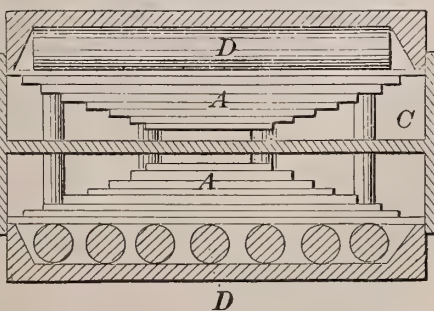
**60790**—A. J. Robinson—*Mop Wringer.***60791**—W. N. Rowe—*Safety Nipple for Fire Arms.***60796**—E. Secor—*Berry Boxes.***60792**—Russell & Hull—*Printers' Ink Roller.***60797**—M. L. Senderling—*For Mixing Sugar.***60793**—J. S. Ryan—*Crib or Cradle.***60798**—J. W. Singleton—*Gate.***60795**—B. Schaefer—*Boiler Flue Cleaner.***60799**—F. Smith—*Furniture Cluster.*

60800—Smith & Lumis—For Tenoning Blind Slats, &c.

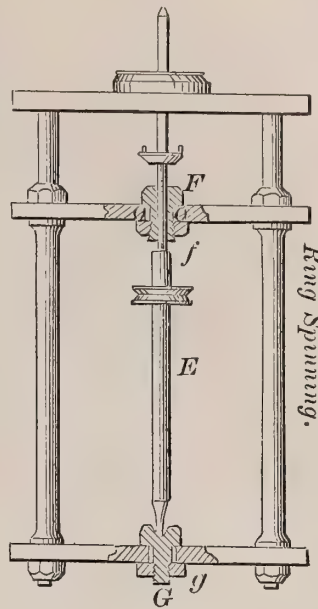


60801—R. S. Stenton—Wrench

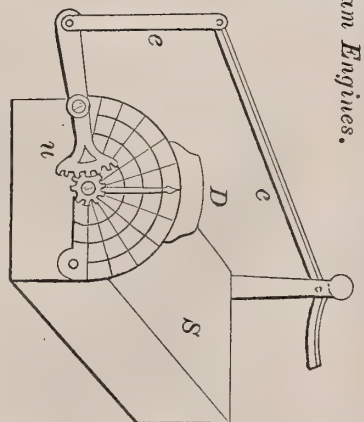
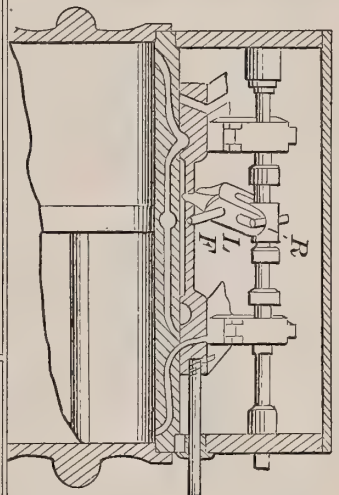
60805—W. Toshach—Car Spring.



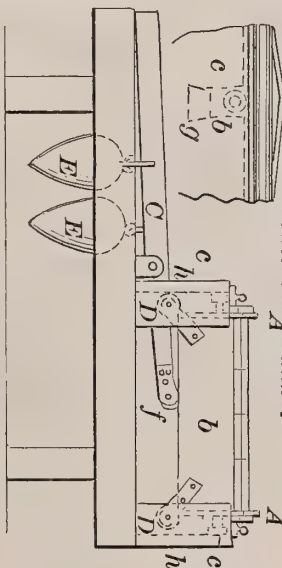
60802—F. A. Sterry—For Adjusting Spindles in Ring Spinning.



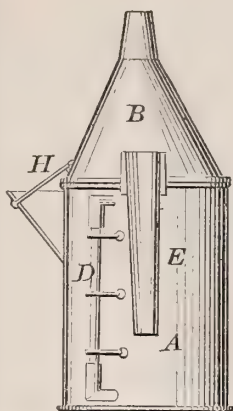
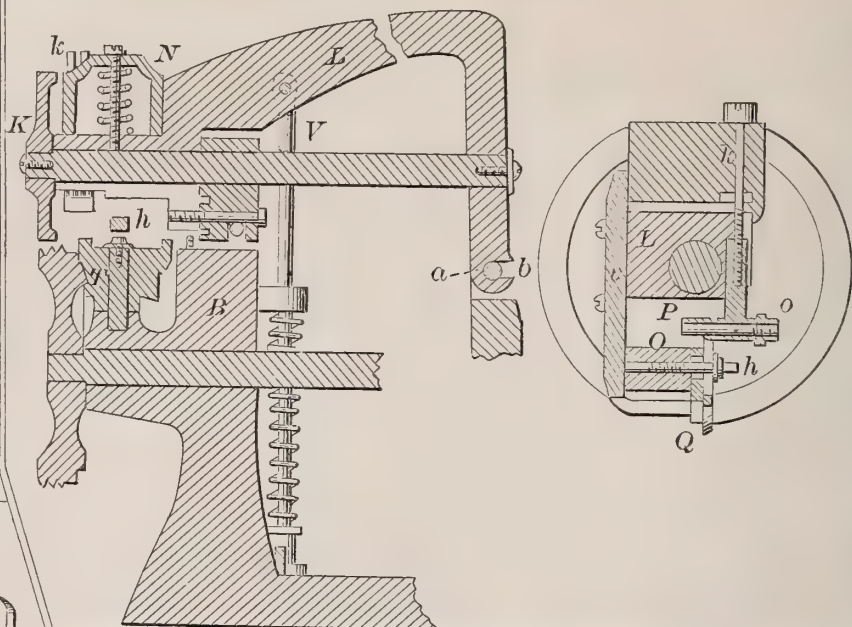
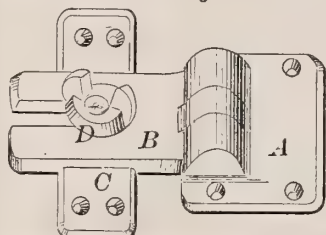
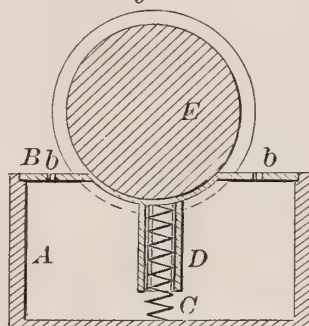
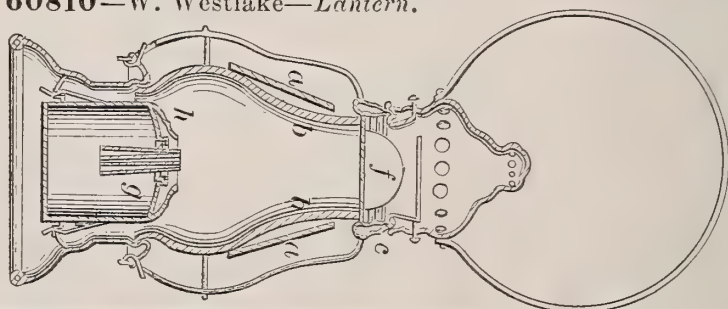
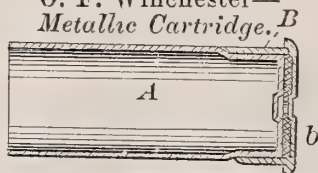
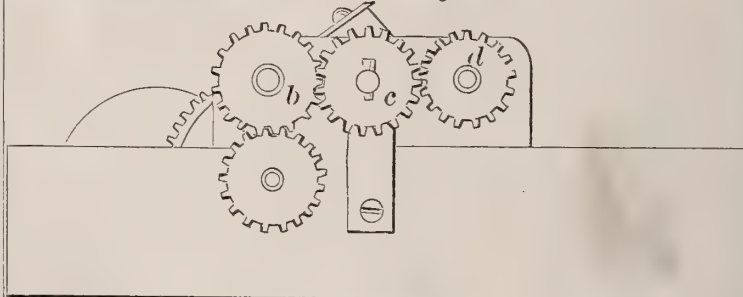
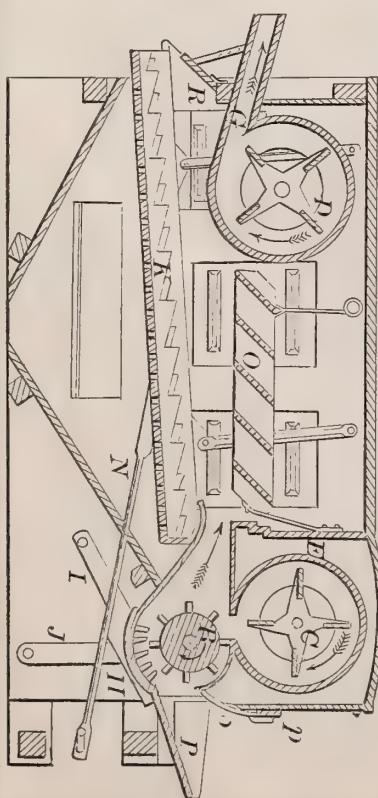
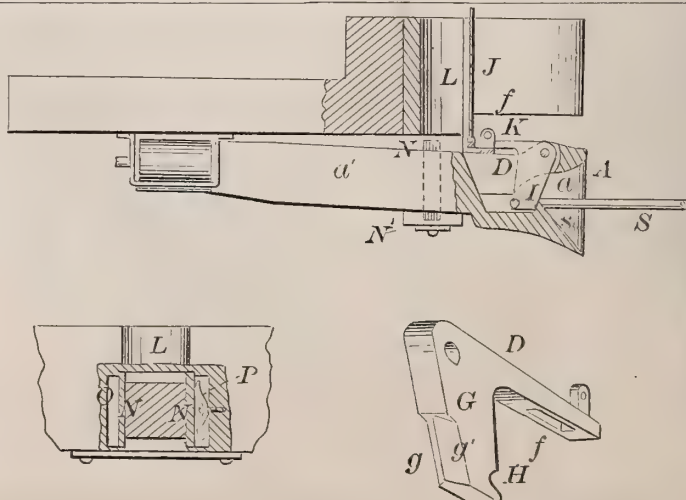
60804—A. Stuekenrath—Cut-off for Steam Engines.



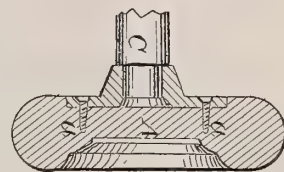
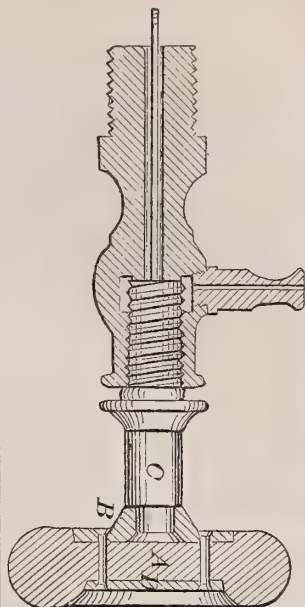
60803—C. L. Stevens—Water Elevator for Railroad Tanks.



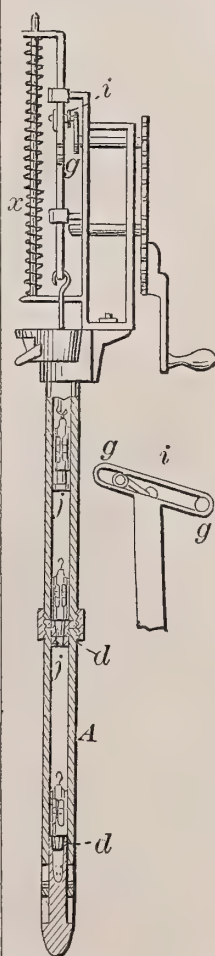


60806—J. Trent—*Liquid Measure.*60807—H. S. Vrooman—*Channeling Machine.*60808—J. T. Watson—*Gate Hinge.*60809—I. P. Wendell—*Lubricating Journal.*60810—W. Westlake—*Lantern.*60814—  
O. F. Winchester—*Metallic Cartridge.*60811—M. V. B. White—*Ice Spur.*60812—B. D. Whitney—*Planing Machine.*60813—M. Wilder—*Threshing Machine.*60815—E. Zorger—*Car Coupling.*

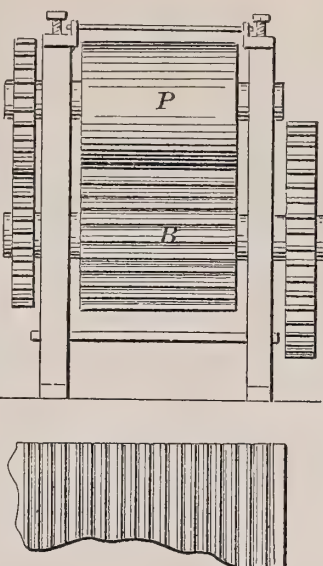
60817—E. H. Ashcroft—Boiler Gauge-Cock Handle.



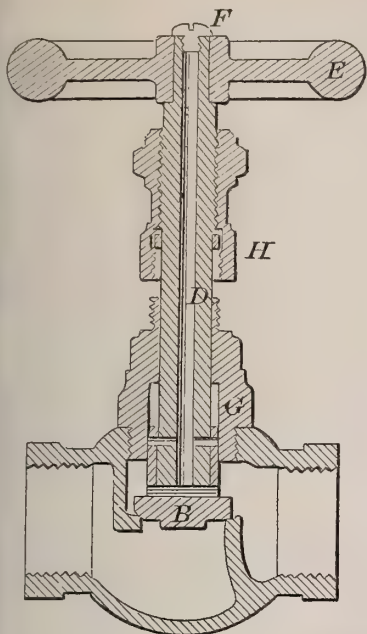
60818—S. L. Avery—Pump.



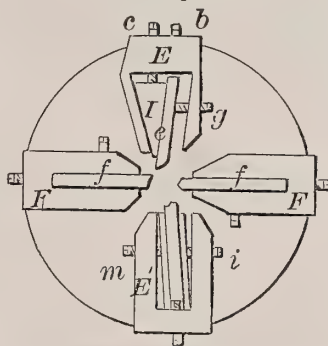
60819—D. M. Ayer—Preparing Sole Leather.



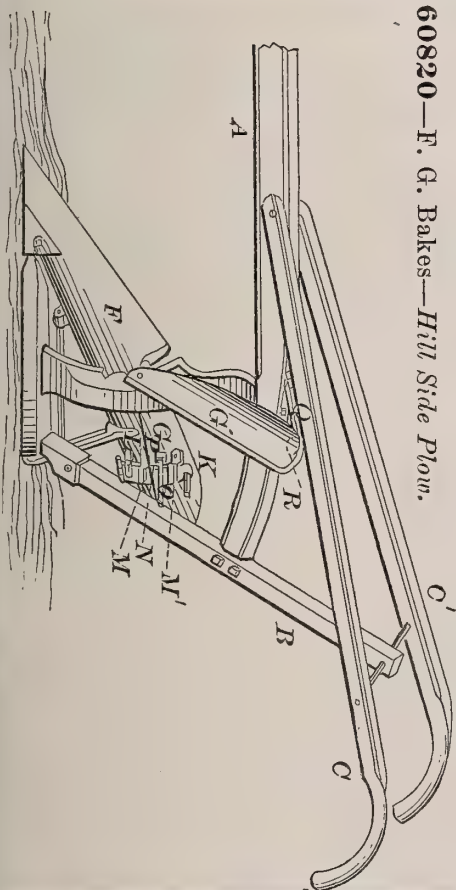
60816—E. H. Ashcroft—Steam Engine Globe Valve.



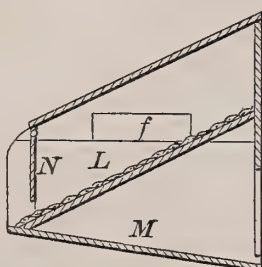
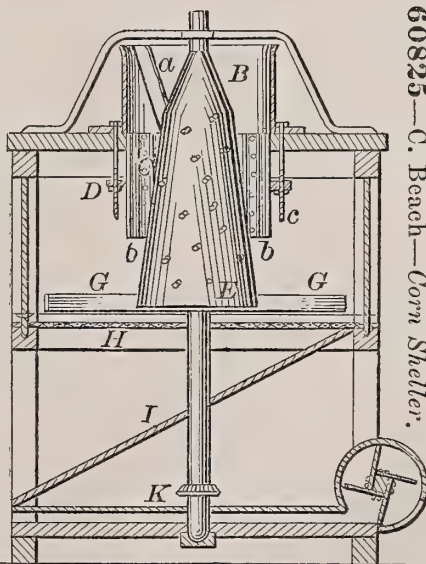
60822—E. D. Barrett—Screw Cutting Die.



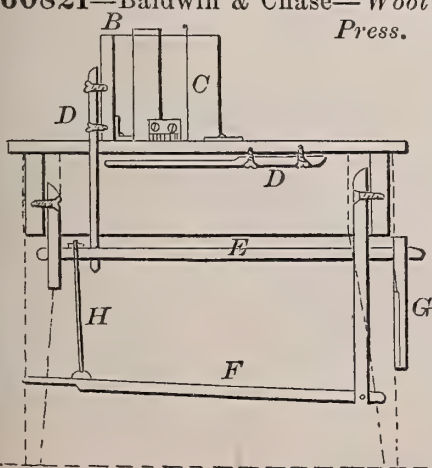
60820—F. G. Bakes—Hill Side Plow.



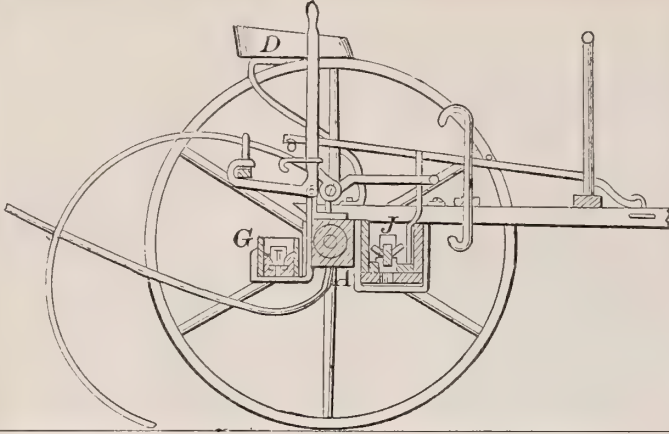
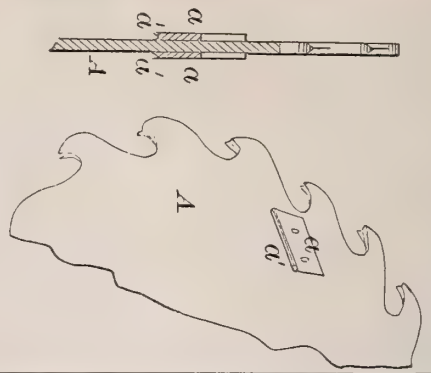
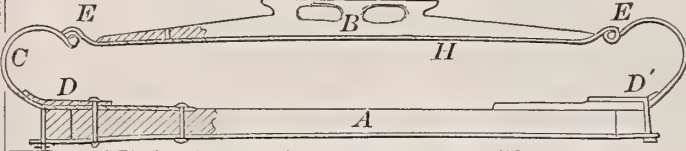
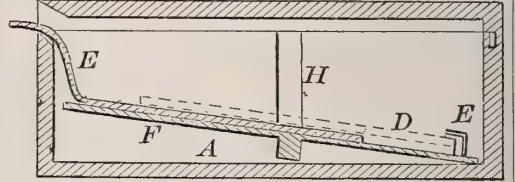
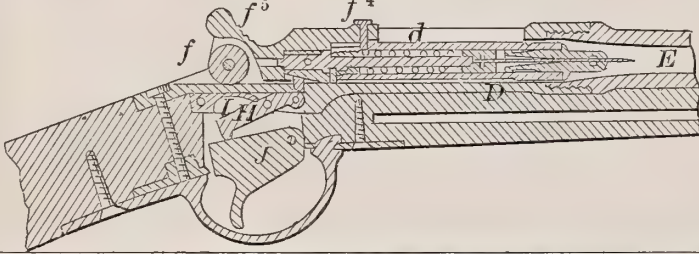
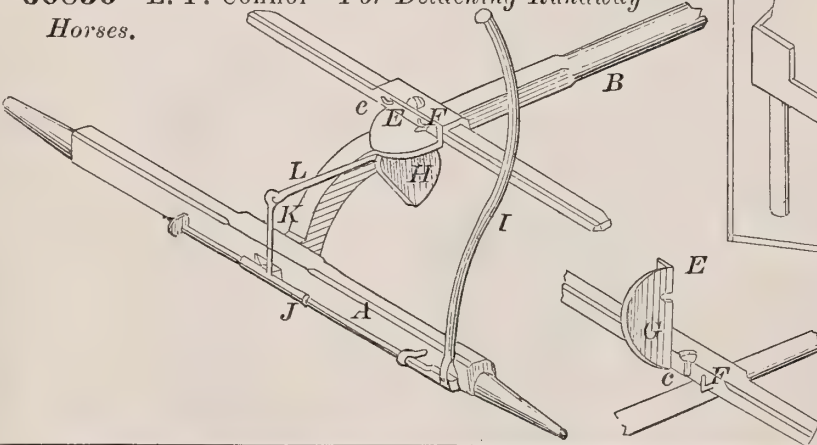
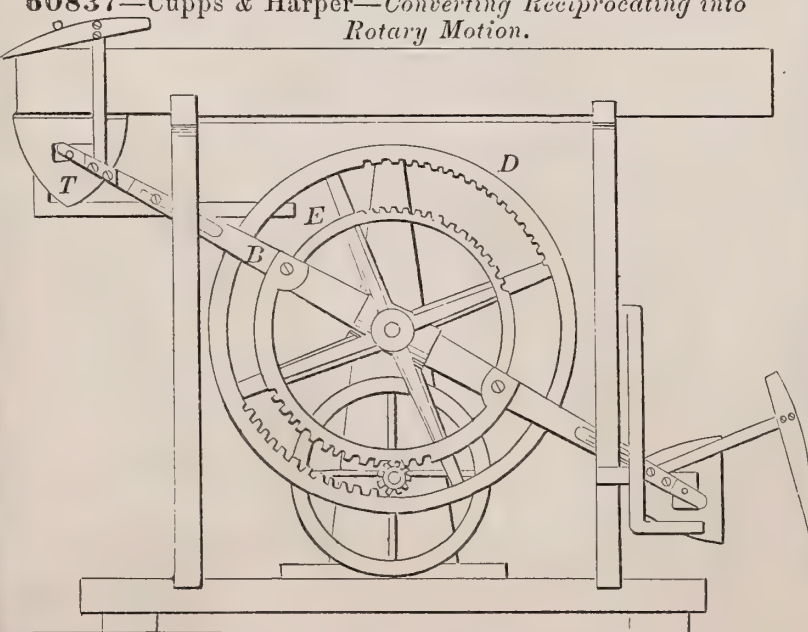
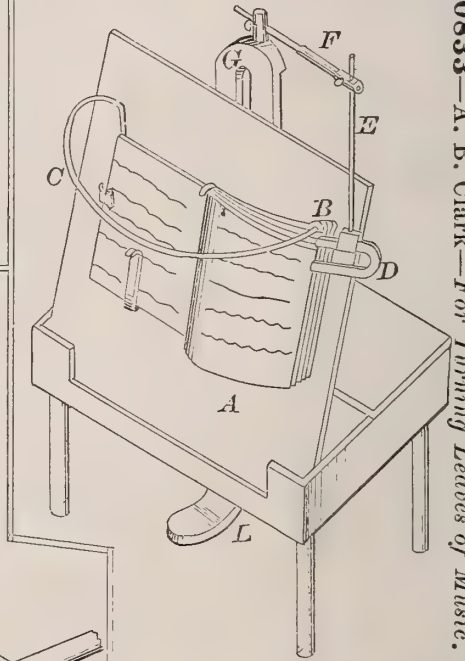
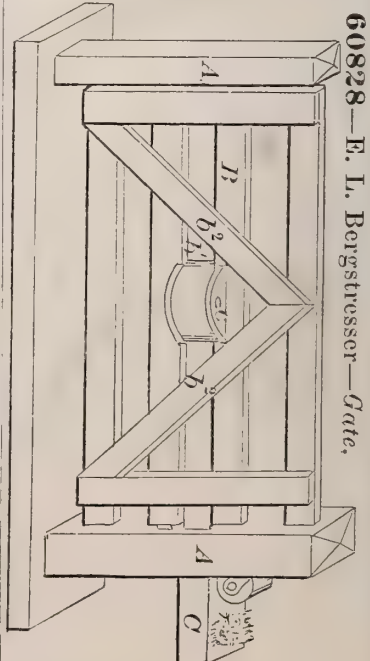
60825—C. Beach—Corn Sheller.



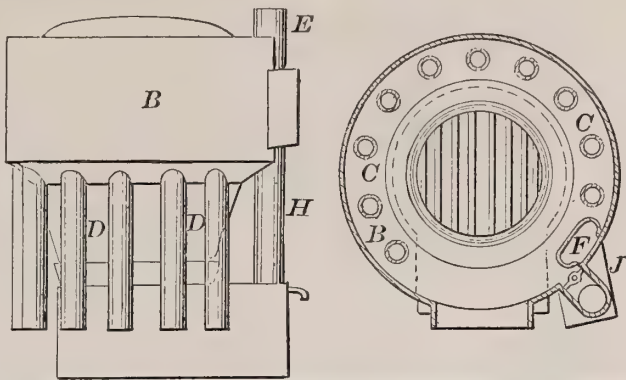
60821—Baldwin & Chase—Wool Press.



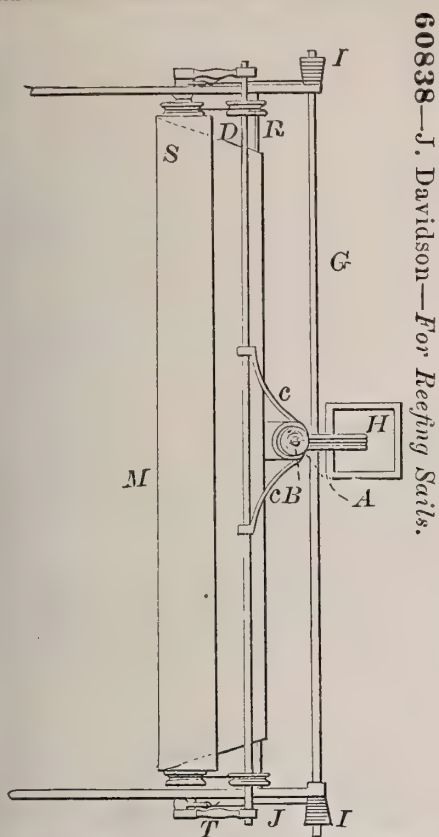
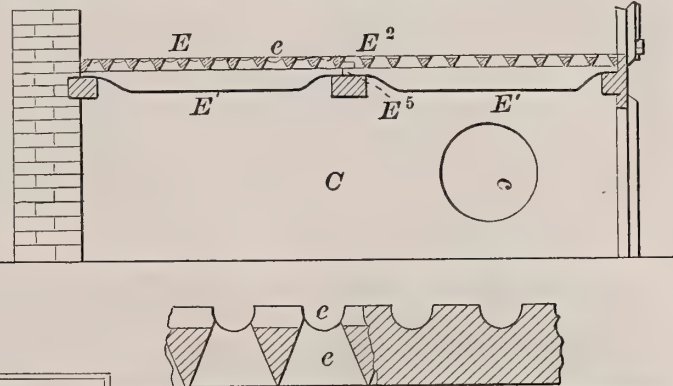


**60826**—J. H. Bear—*Horse Hay Rake and Seeder.***60827**—A. Bee—*Saw.***60831**—C. H. Butterfield—*Carriage Spring.***60834**—A. Cobbs—*Photographic Bath.***60832**—A. A. Chassepot—*Needle Gun.***60836**—E. P. Connor—*For Detaching Runaway Horses.***60837**—Cupps & Harper—*Converting Reciprocating into Rotary Motion.***60833**—A. B. Clark—*For Turning Leaves of Music.***60828**—E. L. Bergtesser—*Gate.*

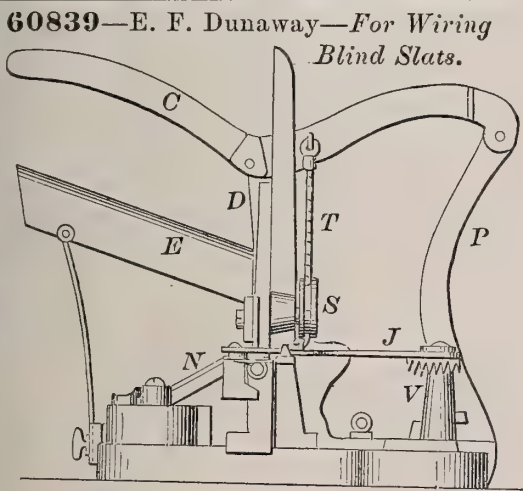
60840—B. W. Dunklee—*Coal Stove.*



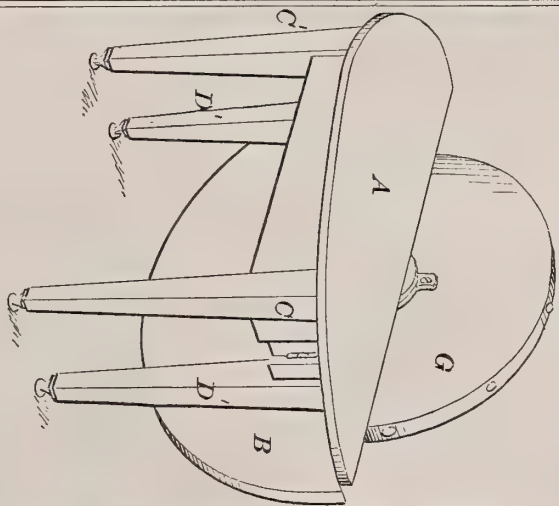
60842—J. Alexander—*Furnace Grate.*



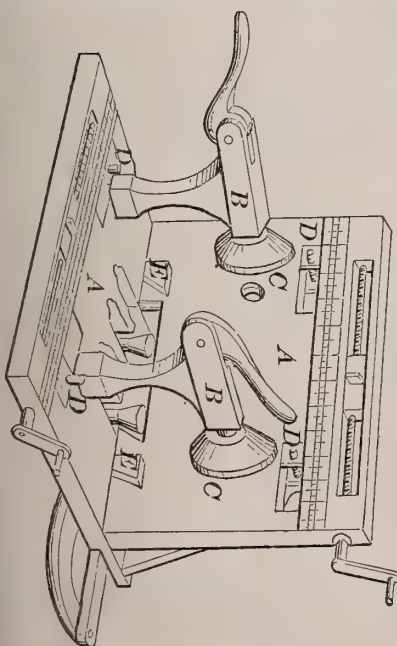
60838—J. Davidson—*For Reefing Sails.*



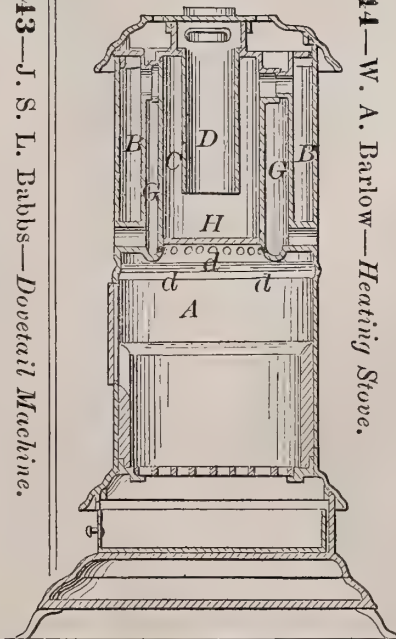
60839—E. F. Dunaway—*For Wiring Blind Slats.*



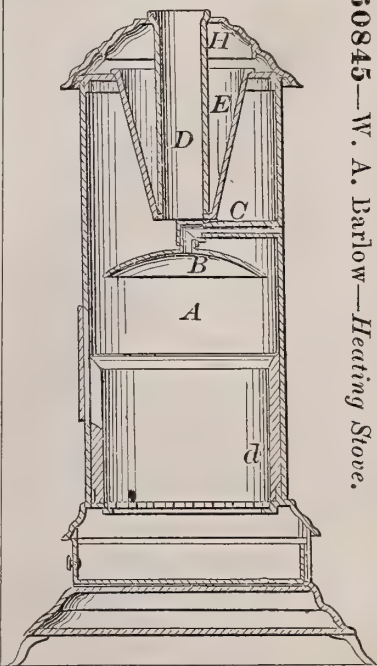
60841—J. E. Dust—*Table.*



60843—J. S. L. Babbs—*Dovetail Machine.*

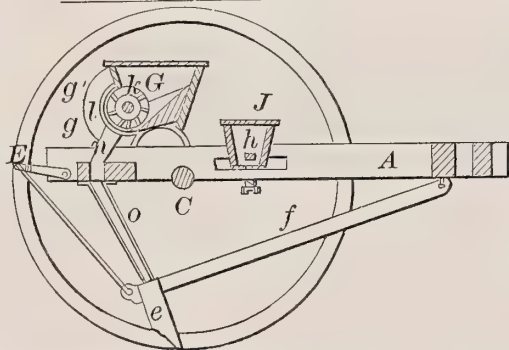
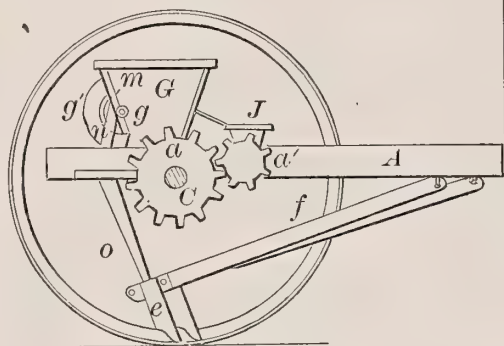
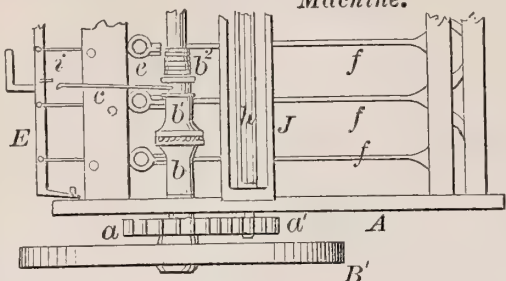
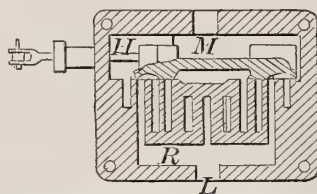
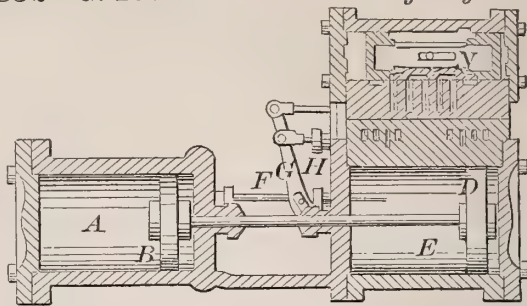
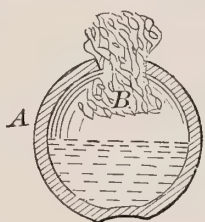
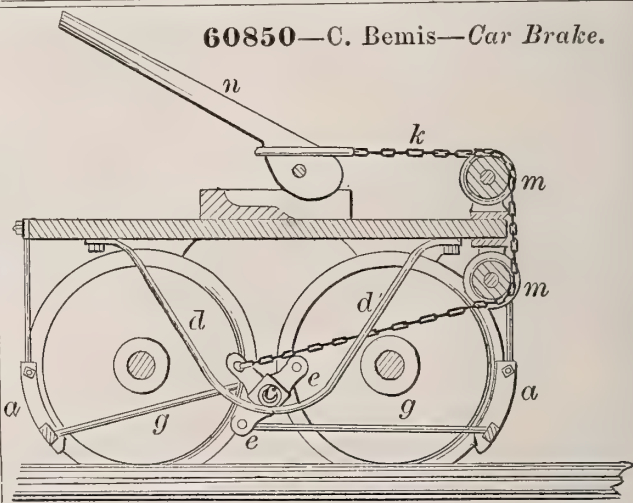
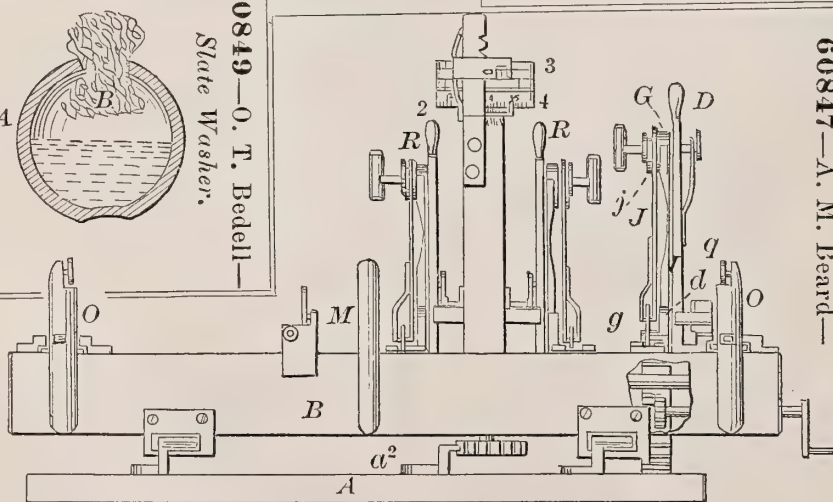
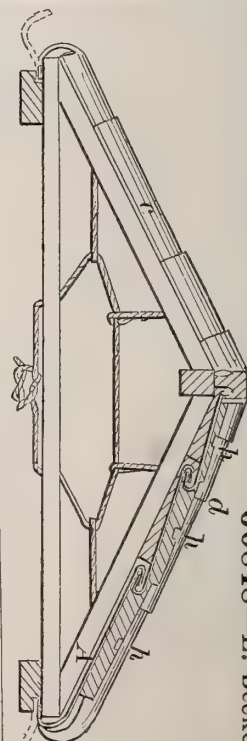
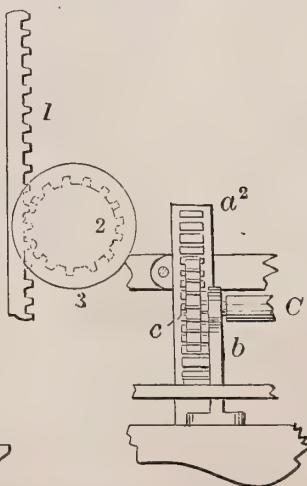
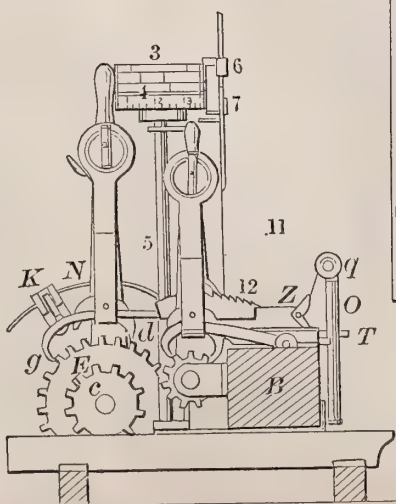


60844—W. A. Barlow—*Heating Stove.*

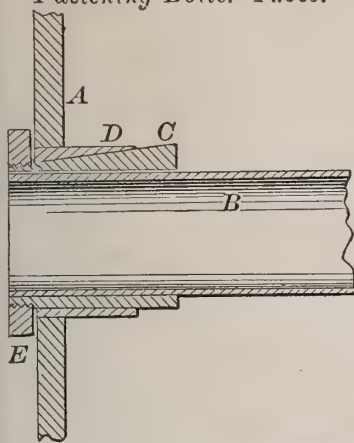


60845—W. A. Barlow—*Heating Stove.*

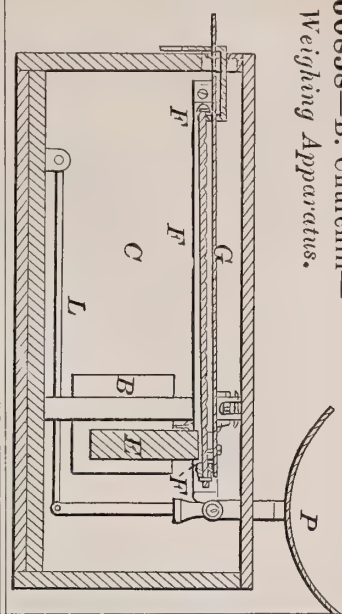
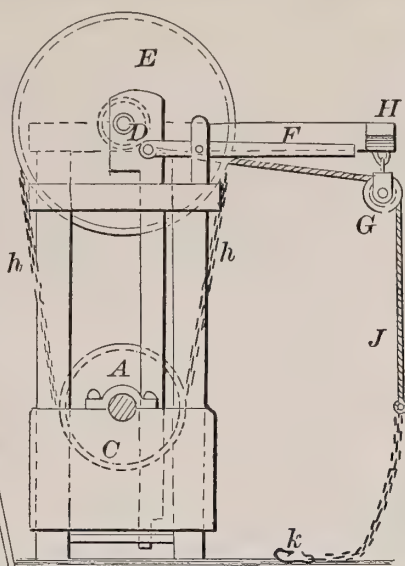


**60846**—D. C. Baughman—*Seeding Machine.***60852**—G. F. Blake—*Direct Acting Engine.***60850**—C. Bemis—*Car Brake.***60849**—O. T. Bedell—*State Washer.***60847**—A. M. Beard—*Saw Mill Head Block.***60848**—E. Becker—*Roofing.*

**60853**—J. Bowden—*For Fastening Boiler Tubes.*

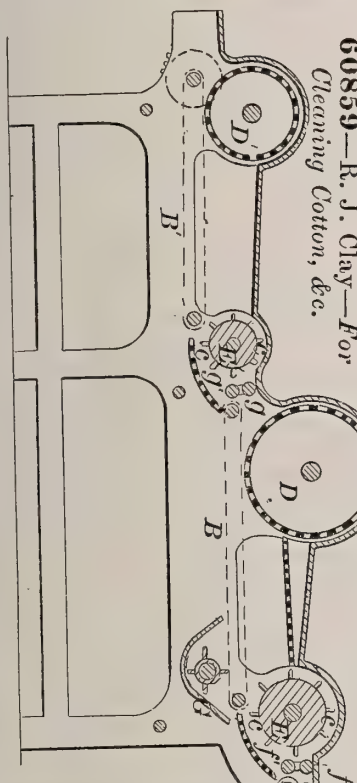


**60855**—S. Bristow—*Saw Mill.*

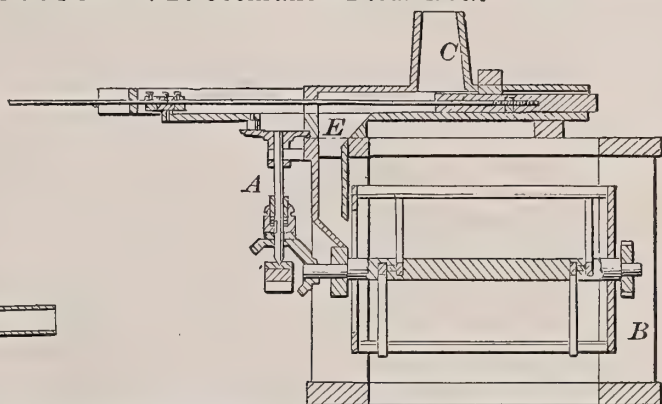


**60858**—B. Churchill—*Weighing Apparatus.*

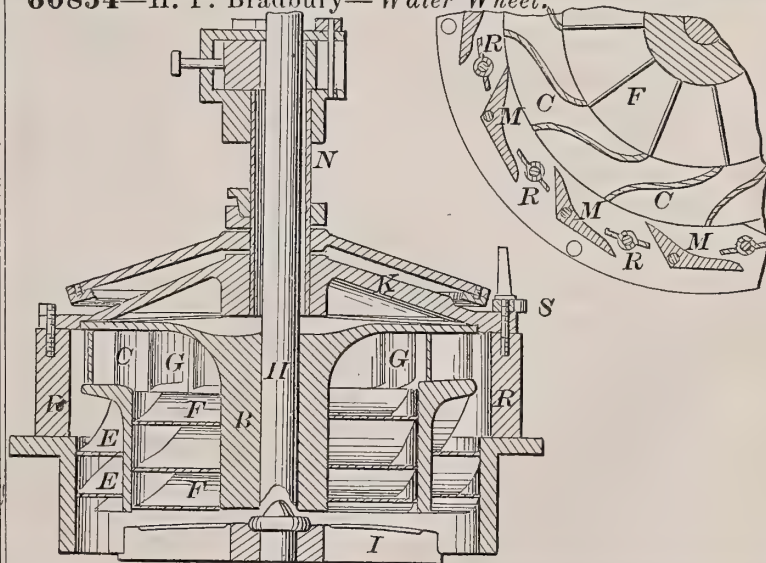
**60859**—R. J. Clay—*For Cleaning Cotton, &c.*



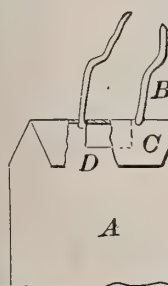
**60860**—W. F. Cochrane—*Flour Bolt.*



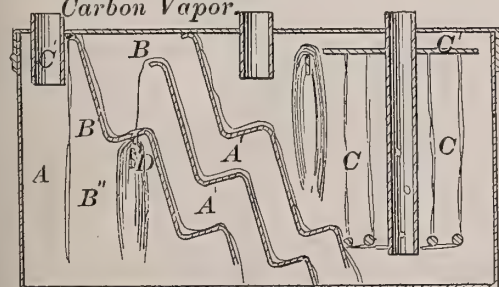
**60854**—H. P. Bradbury—*Water Wheel.*



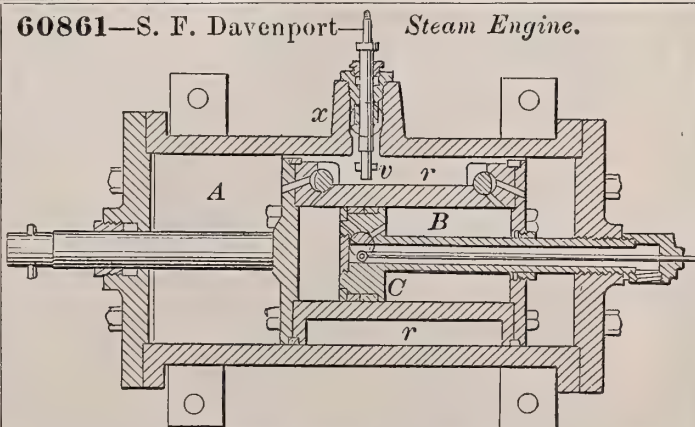
**60856**—N. H. Bruce—*Tag or Label.*



**60857**—W. H. Burrigge—*For Charging Gas or Air with Hydro-Carbon Vapor.*

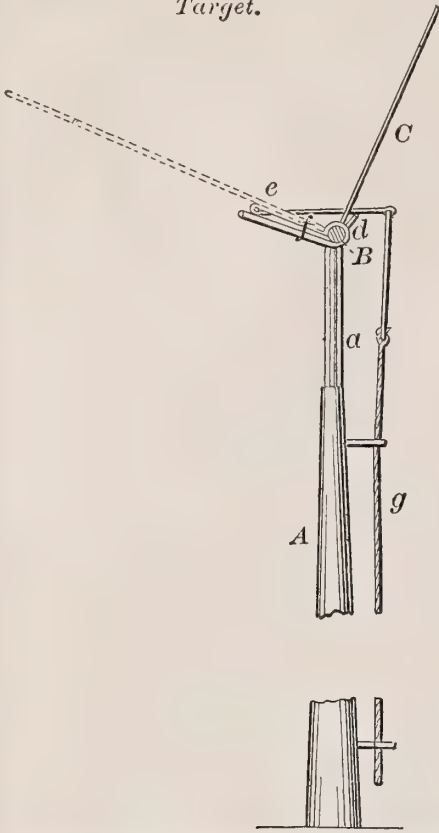


**60861**—S. F. Davenport—*Steam Engine.*

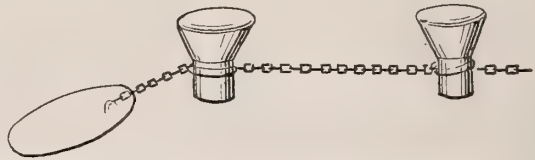




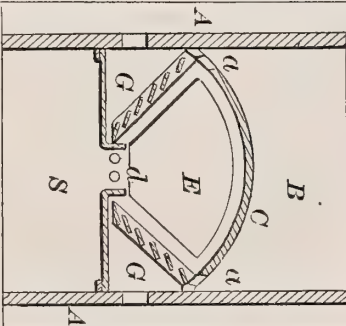
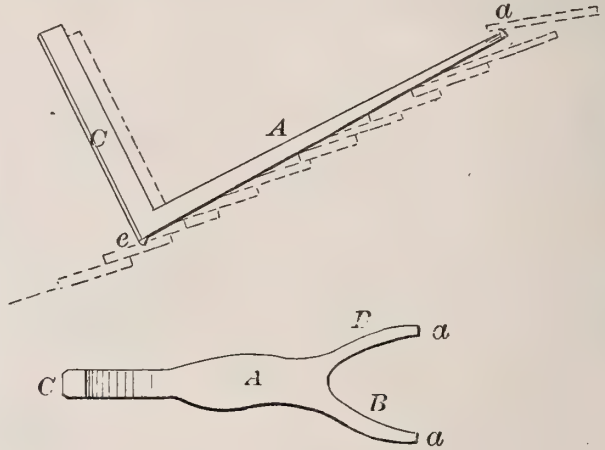
**60862**—C. A. Demling—*Air Gun Target.*



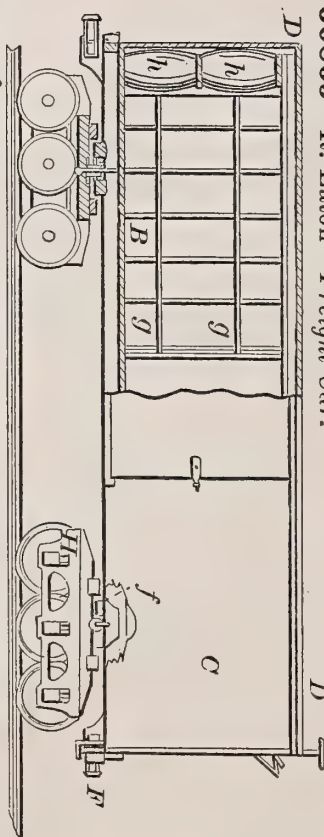
**60864**—S. S. Durfee—*For Removing Bars from Rivers, &c.*



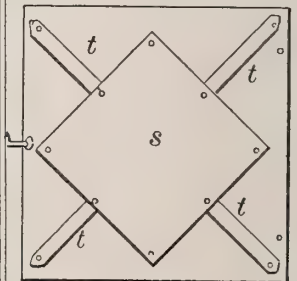
**60866**—C. Eddy—*Scaffold Bracket.*



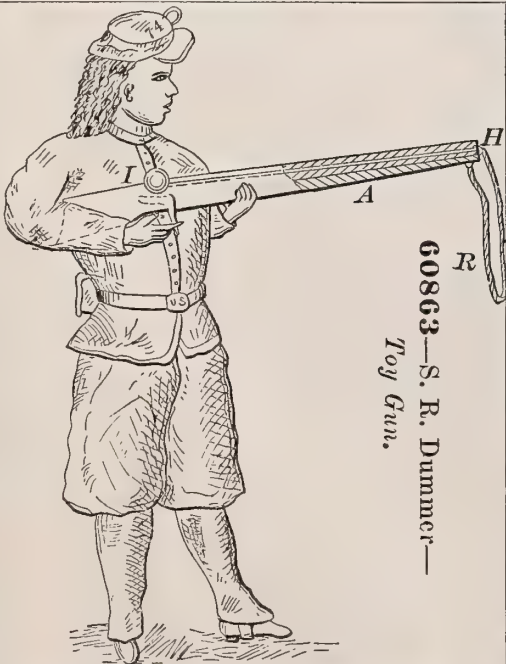
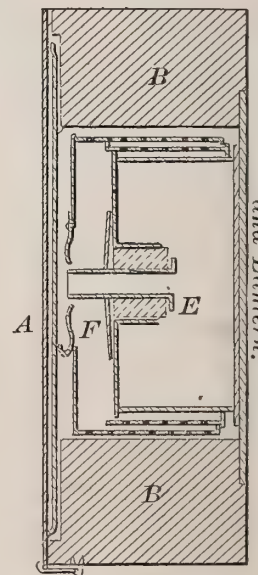
**60867**—W. Ennis—*Furnace.*



**60865**—R. Eaton—*Freight Car.*

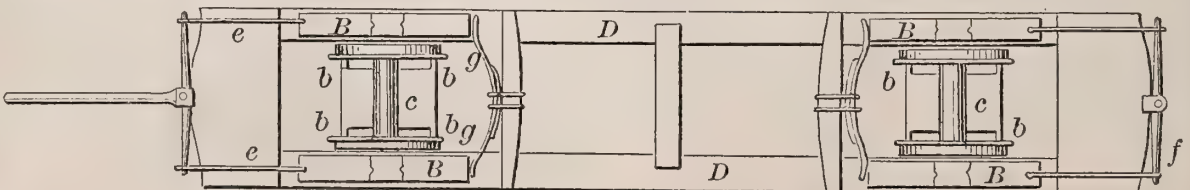


**60869**—D. P. & M. P. Farnham—*Foot Stove and Lantern.*

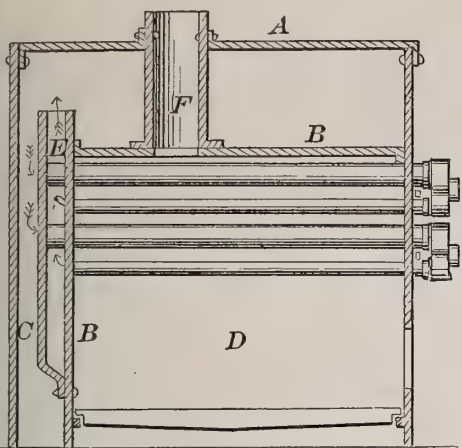


**60863**—S. R. Dummer—*Toy Gun.*

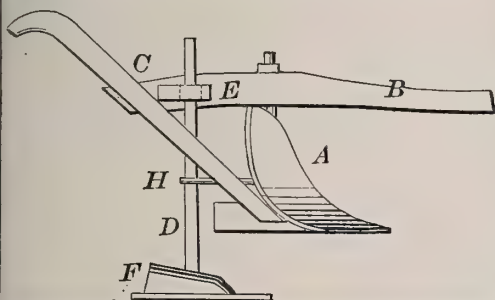
**60868**—J. S. Fairfax—*Railroad Car.*



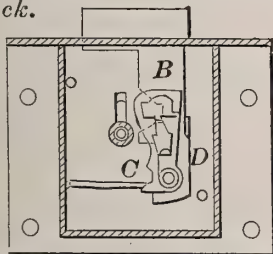
60870—H. Feyh—*Steam Generator.*



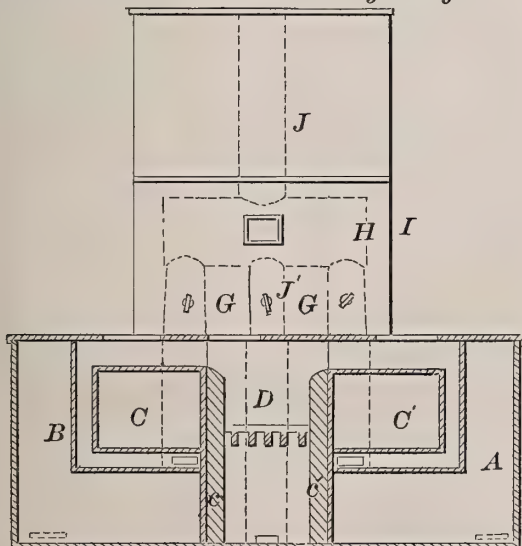
60875—P. M. Gilbert—*Plow.*



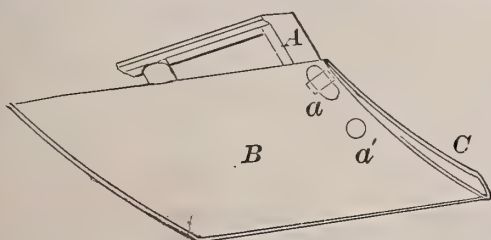
60874—E. L. Gaylord—*Drawer Lock.*



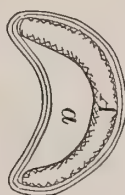
60877—W. A. Goodher—*Cooking Range*



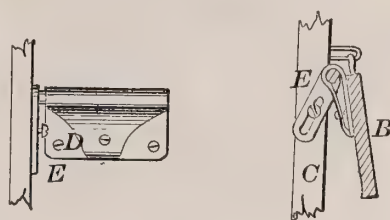
60879—N. Gotten—*Cotton Cultivator.*



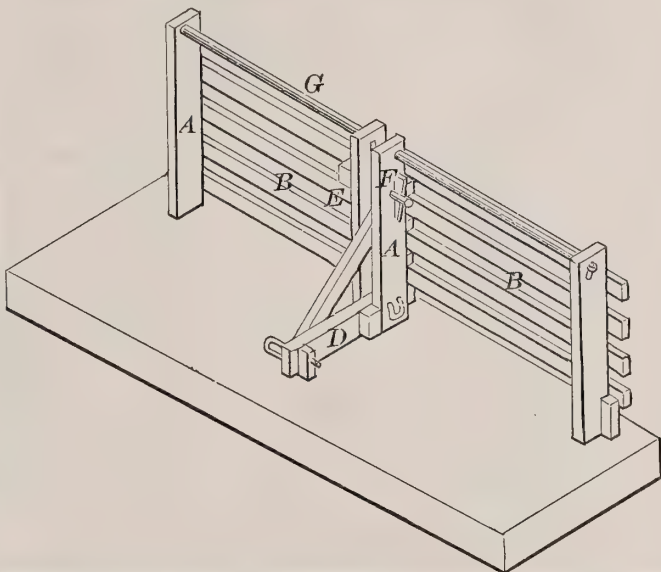
60871—N. T. Folsom—*Dental Plate.*



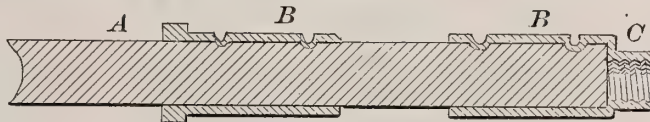
60872—C. B. Francis—*Blind Fastener.*



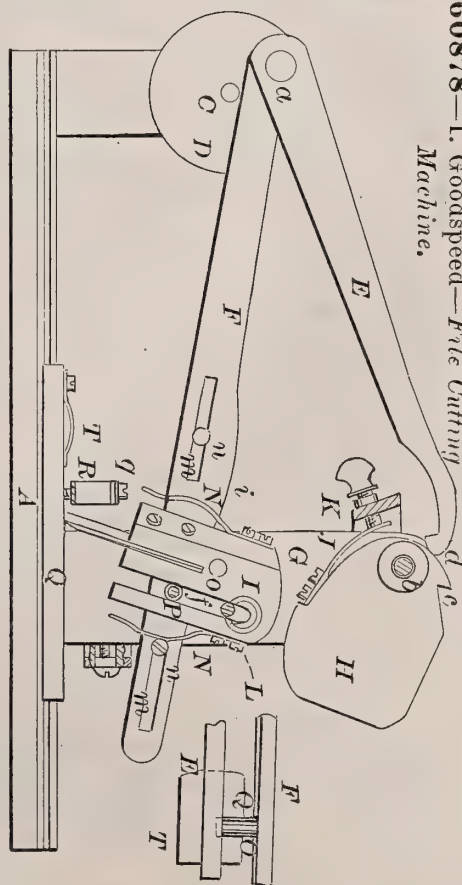
60873—J. J. Friend—*Field Fence.*



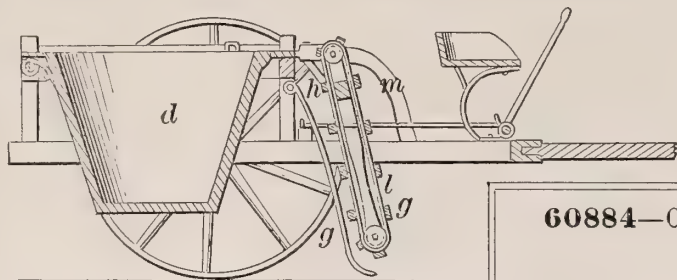
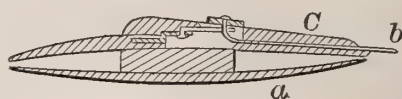
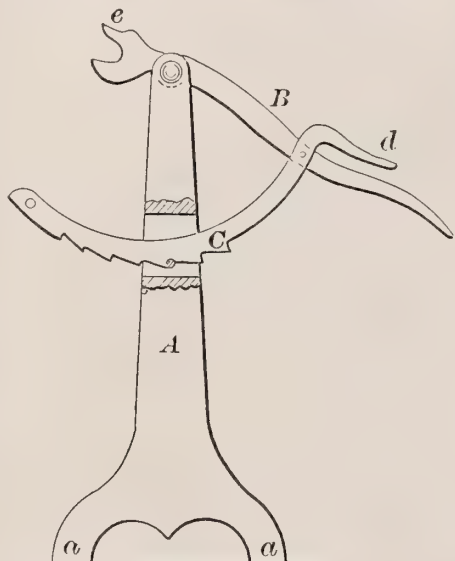
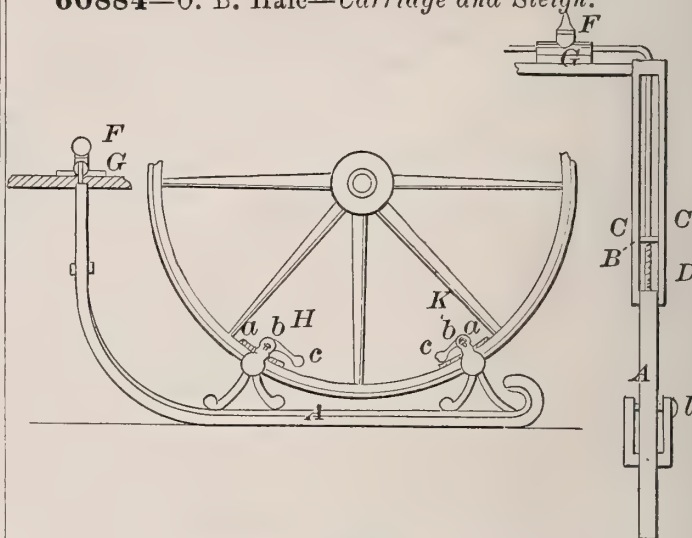
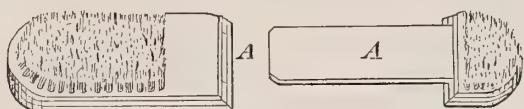
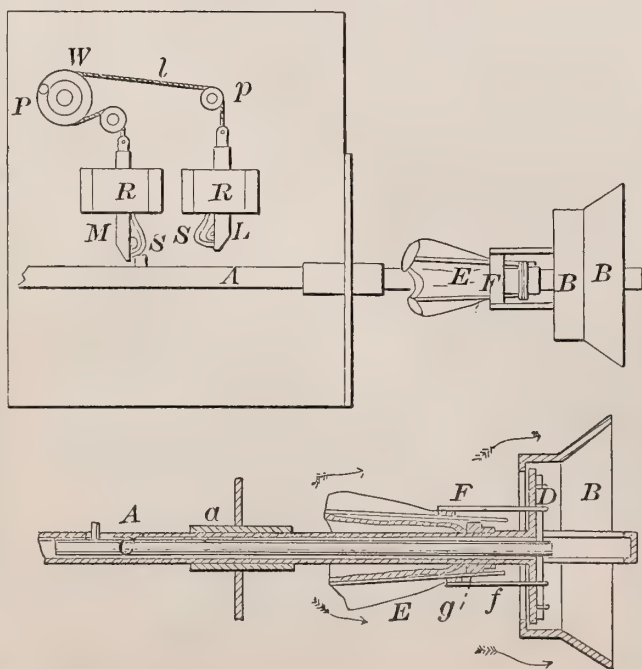
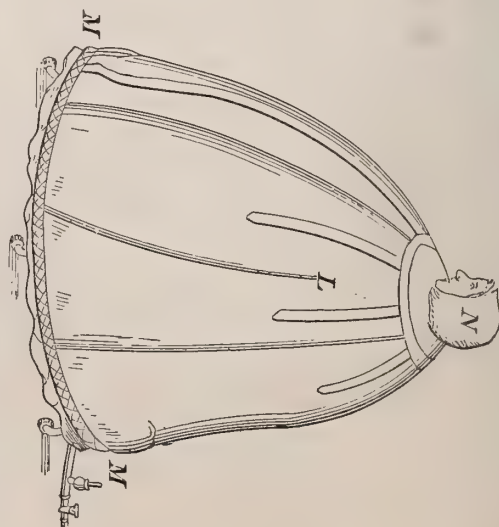
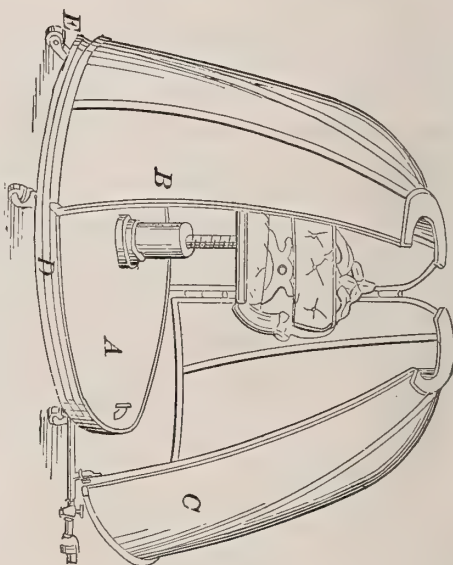
60876—A. W. Gillett—*Axle.*



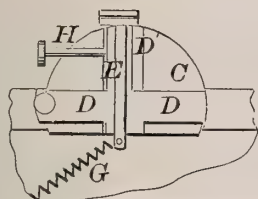
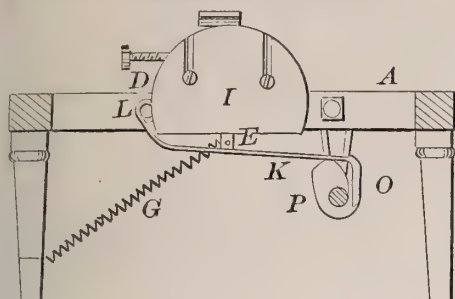
60878—L. Goodspeed—*File Cutting Machine.*



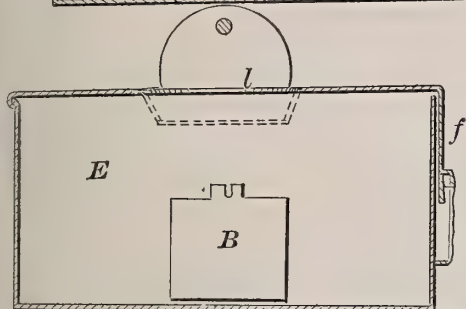
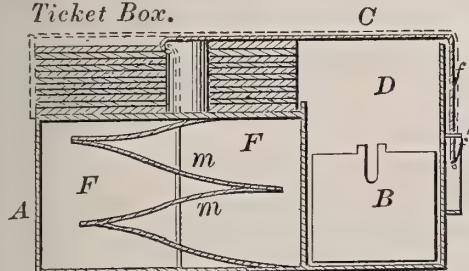


**60880**—F. Granger—*For Raking and Cocking Hay.***60882**—A. B. Greenwalt—*Tattooing Shuttle.***60881**—G. F. Graves—*Lifting Jack.***60884**—O. B. Hale—*Carriage and Sleigh.***60885**—W. B. Hale—*Indelible Pencil.***60886**—C. Hamilton—*Shoe Brush and Case.***60887**—B. Handforth—*Propeller.***60883**—G. Hadfield—*Medical Vacuum Apparatus.*

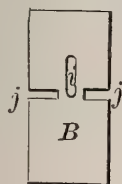
60888—J. Hanlon—Sewing Machine.



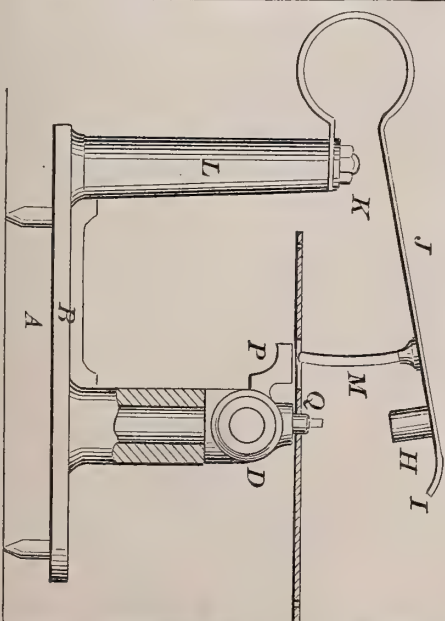
60891—H. Hise—Conductor's Ticket Box.



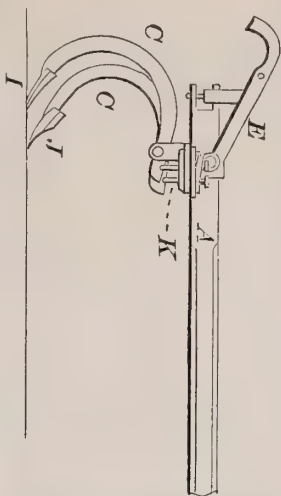
60894—H. W. Hopkins—Butter Mould.



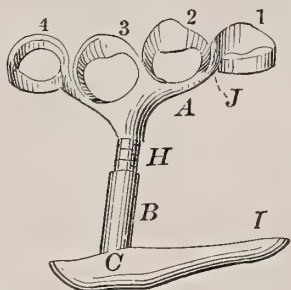
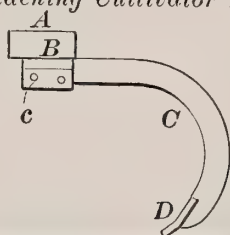
60897—Johnson & Allen—Alarm Gun.



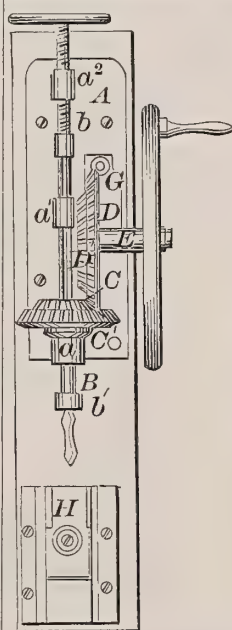
60892—J. C. Hoffeditz—Cultivator.



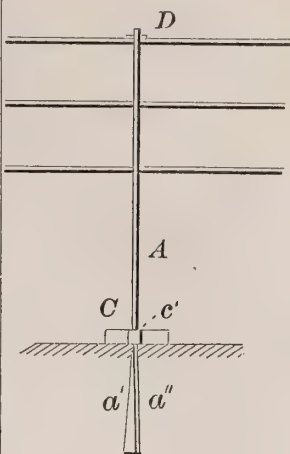
60893—J. C. Hoffeditz—Attaching Cultivator Teeth.



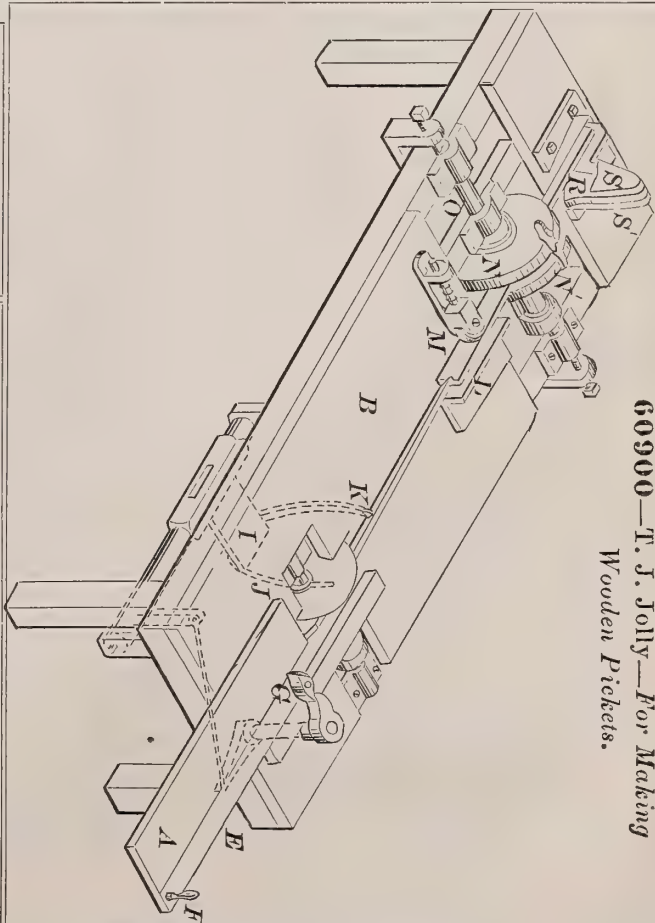
60896—H. A. Hutson—Penman's Assistant.



60889—B. S. Haviland—Fence Post.

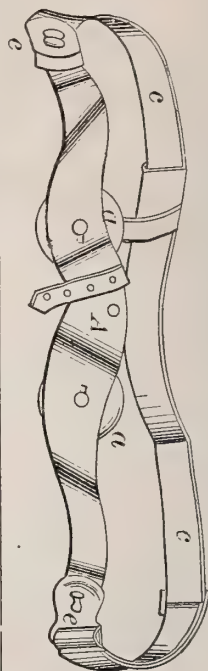
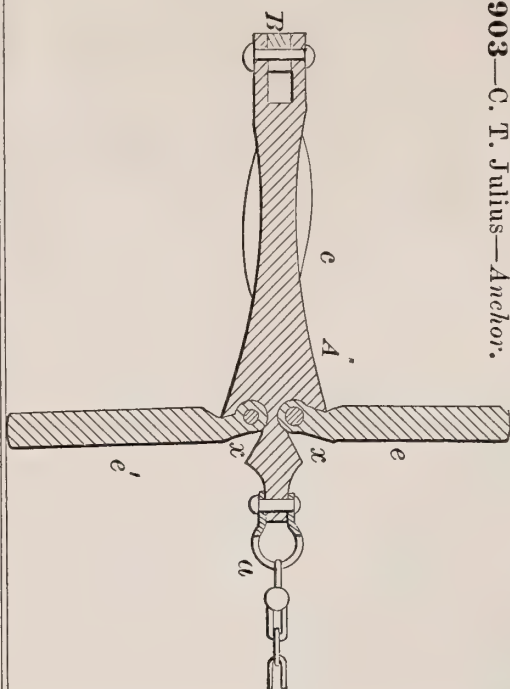
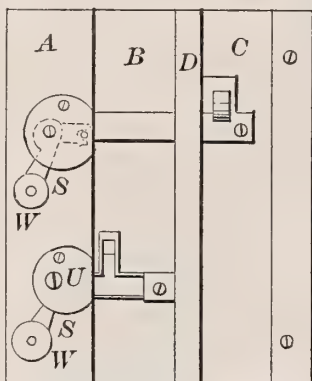
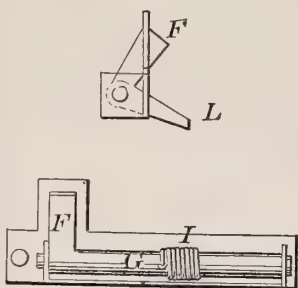
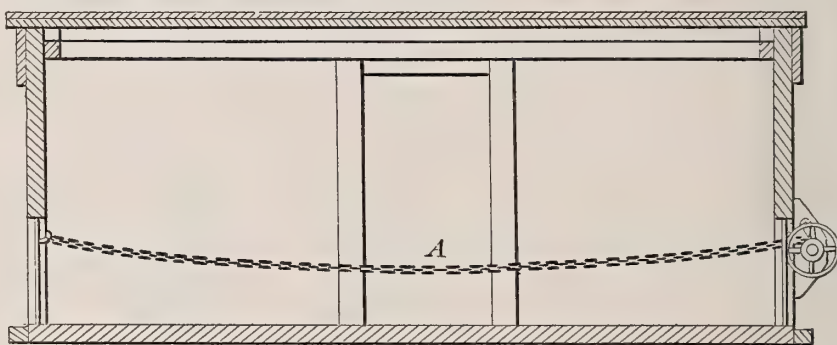
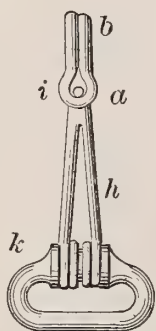
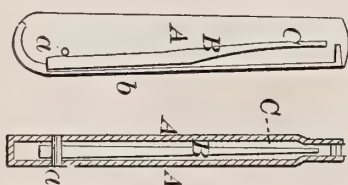
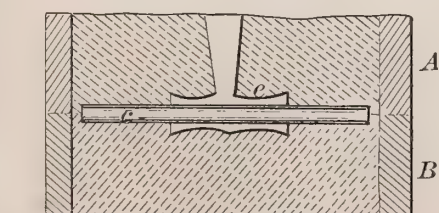
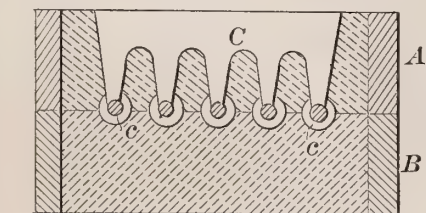
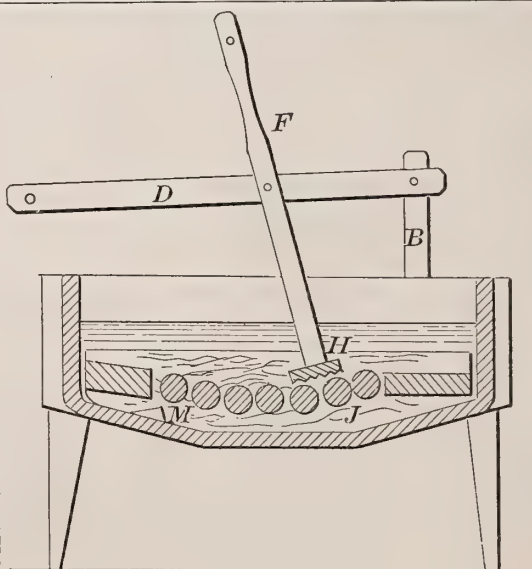
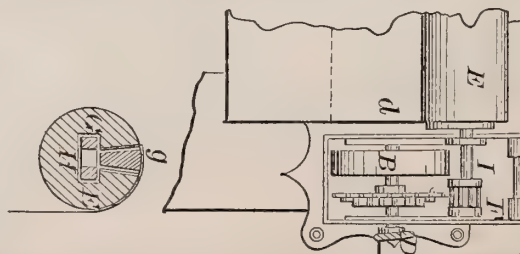


60895—H. Hufendeck—Drill.

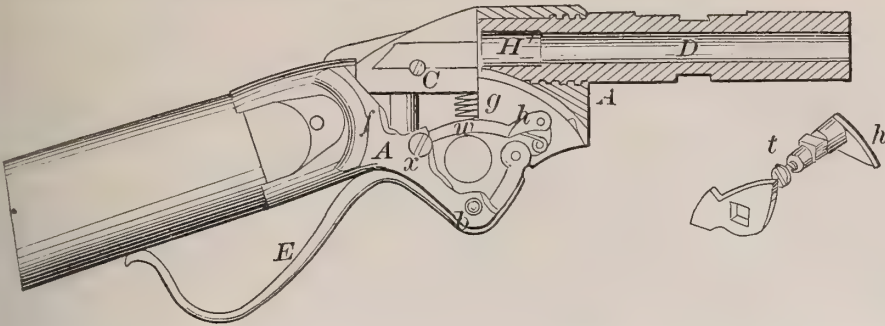


60900—T. J. Jolly—For Making Wooden Pickets.

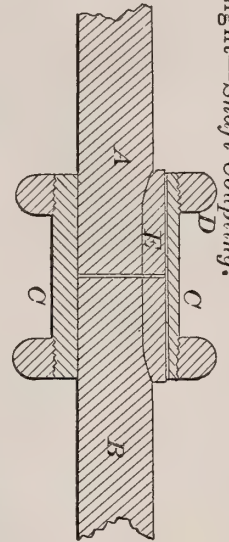
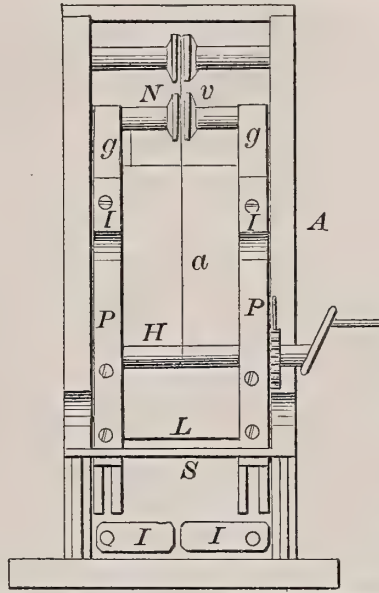
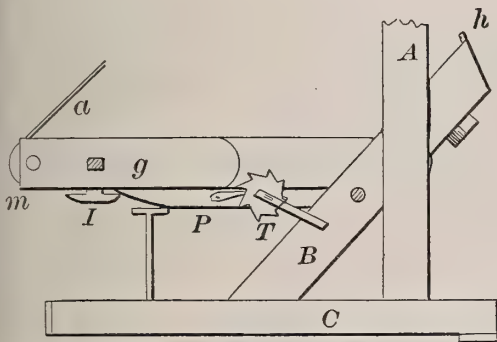


60904—J. A. W. Iusti—*Truss*.60903—C. T. Julius—*Anchor*.60901—I. W. Judd—*Sash Fastener*.60906—M. T. Kehoo—*Cattle Car*.60902—O. S. Judd—*Snare Hook*.60905—G. & J. Kay—*Pocket Knife*.60909—P. W. Lamb—*Moulder's Sprue*.60907—J. E. Kinney—*Washing Machine*.60908—A. H. Knapp—*Curtain Fixture*.

60910—T. W. Lane—*Magazine Fire Arm.*

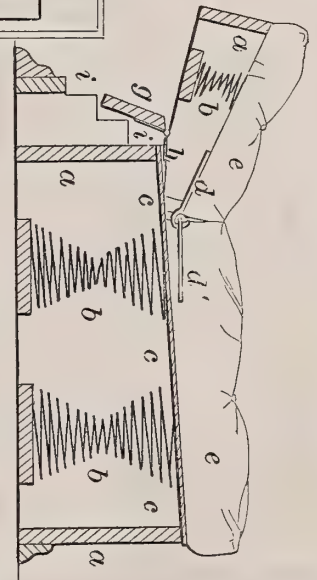
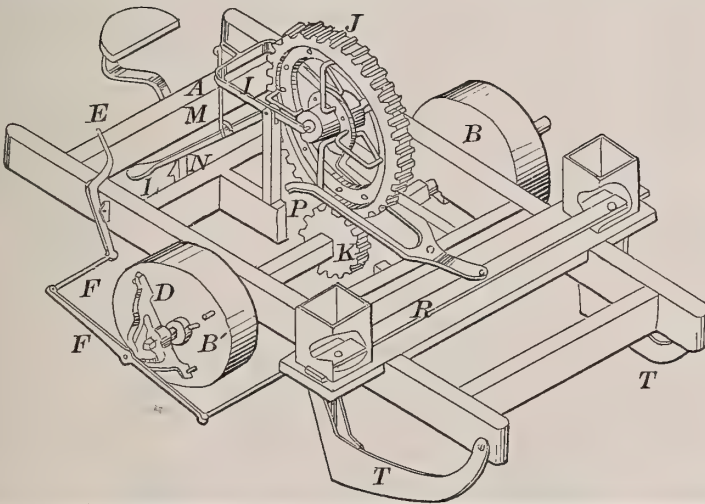


60911—R. Leaman—*Lounge.*



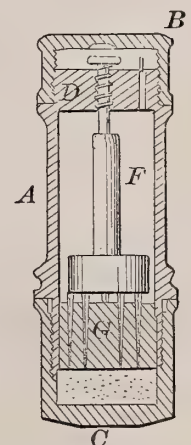
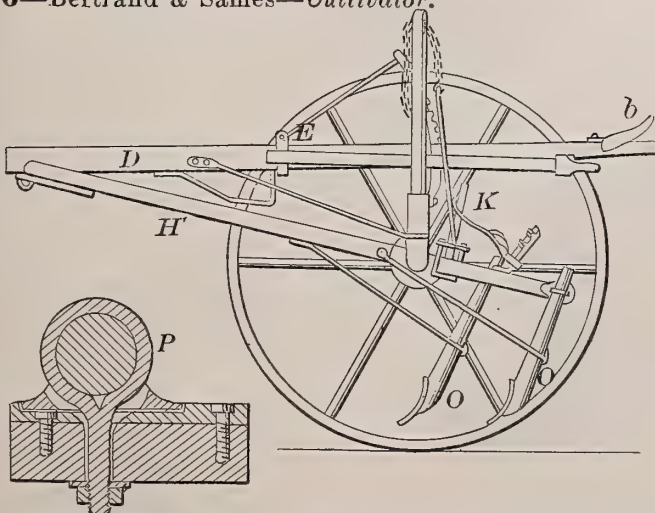
60912—J. F. Light—*Shaft Coupling.*

60914—C. Long—*Corn Planter.*



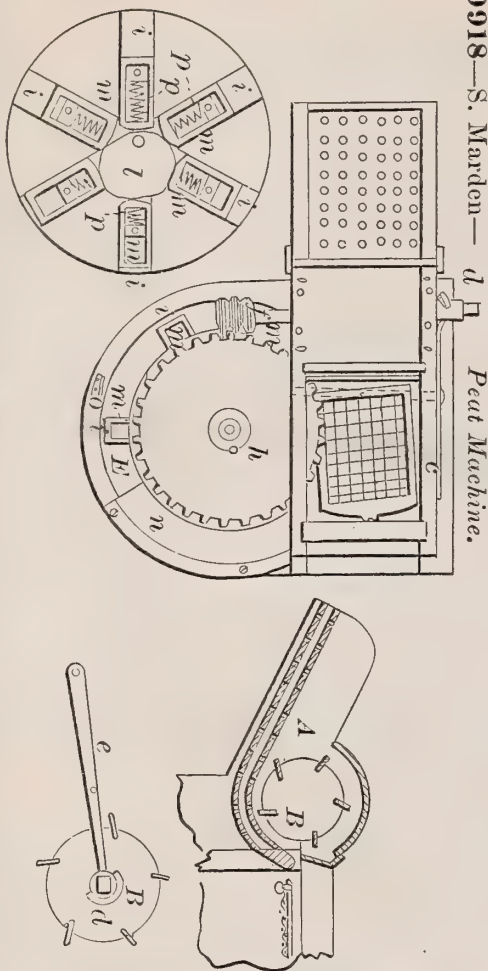
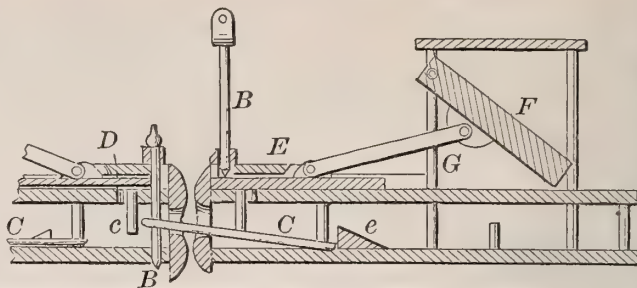
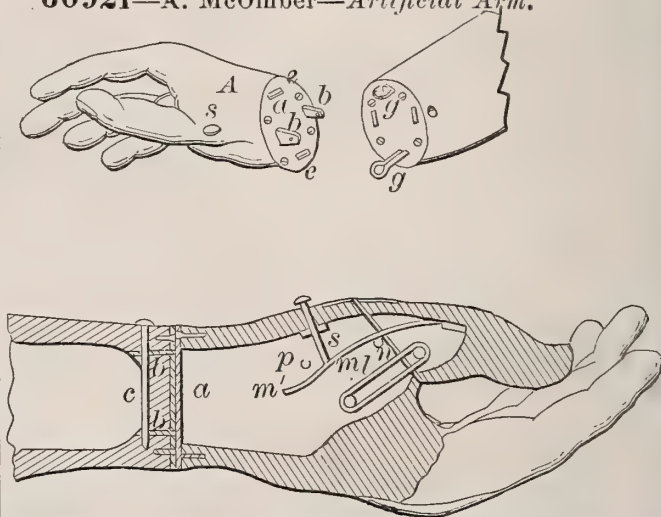
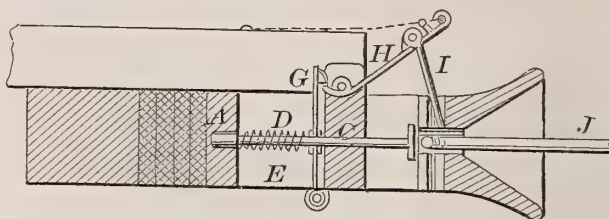
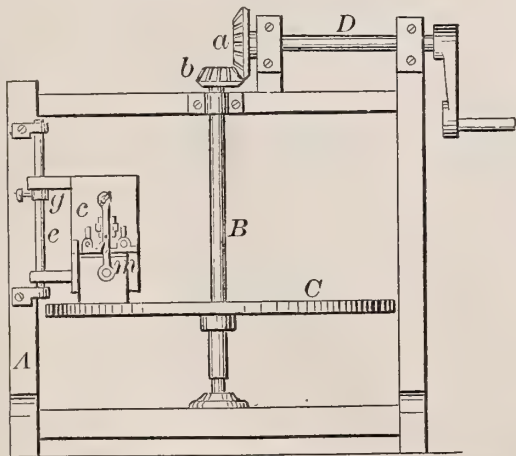
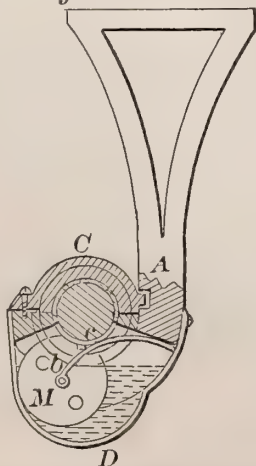
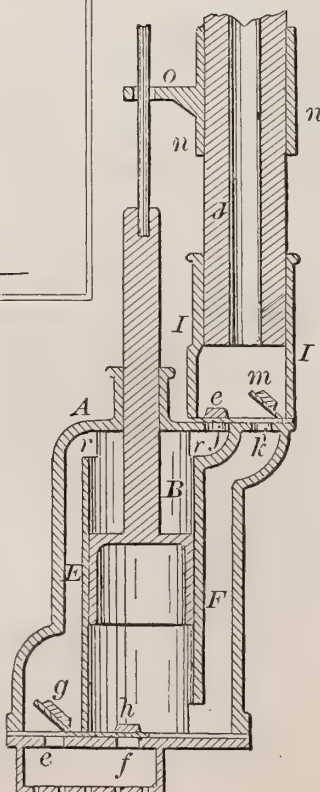
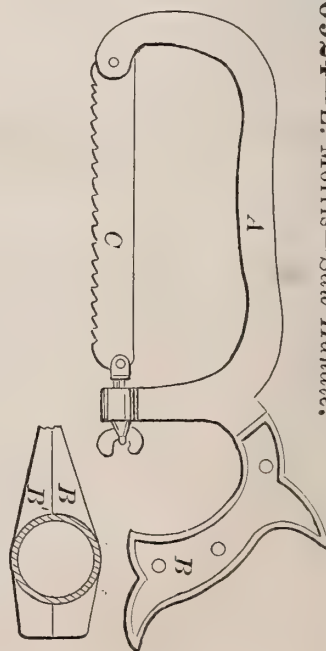
60913—C. P. Loeser—*Bed Bottom.*

60916—Bertrand & Sames—*Cultivator.*

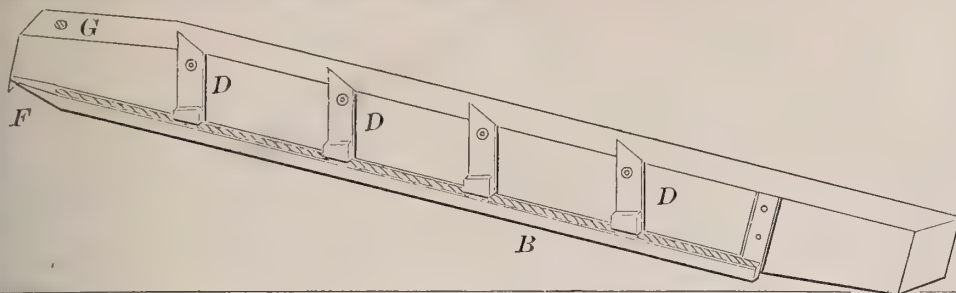


60917—A. R. Brown—*For Acupuncture.*

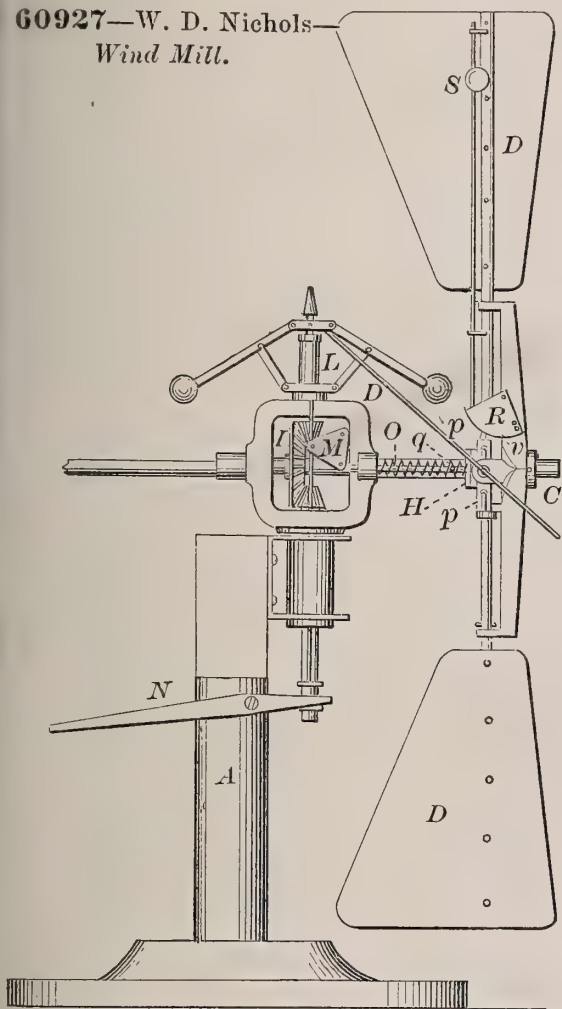


60918—S. Marden—*Peat Machine.*60920—J. McLaughlin—*Car Coupling.*60921—A. McOmber—*Artificial Arm.*60923—F. H. Meyers—*Car Coupling.*60922—A. T. Merriman—*For Squaring Tiles.*60925—G. M. Morris—*Lubricating Device.*60919—R. A. McCauley—*Pump.*60924—E. Morris—*Saw Handle.*

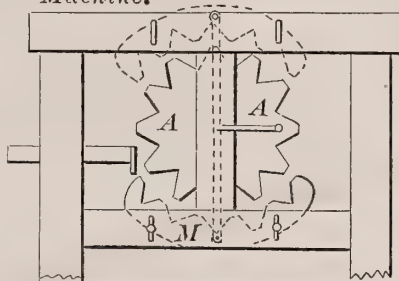
60926—G. W. Nichols—*Logging Skid.*



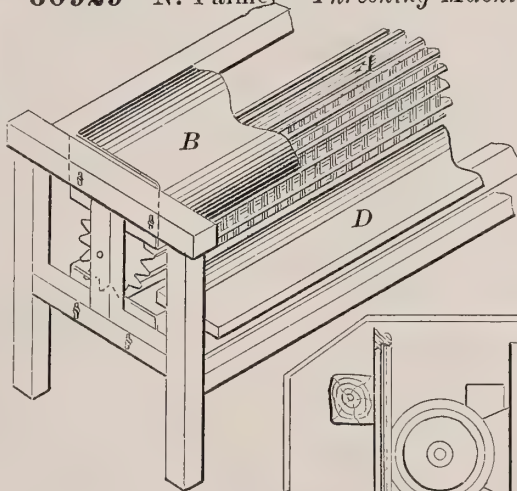
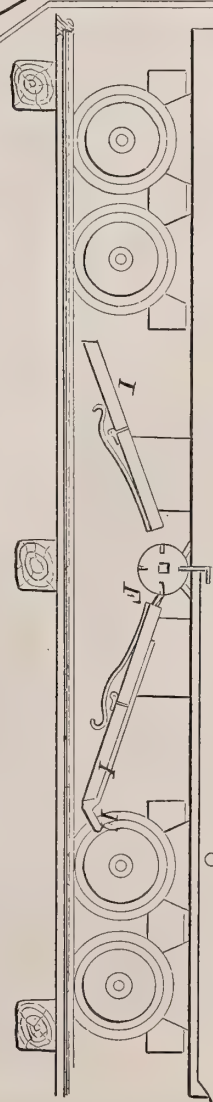
60927—W. D. Nichols—  
*Wind Mill.*



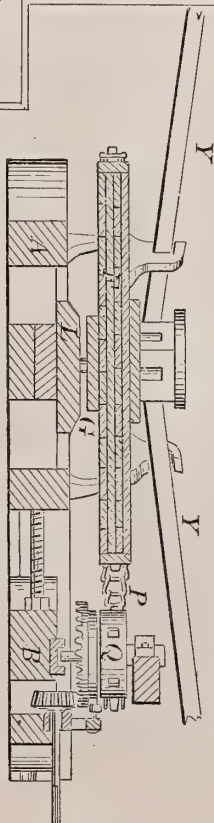
60928—N. Palmer—*Threshing Machine.*



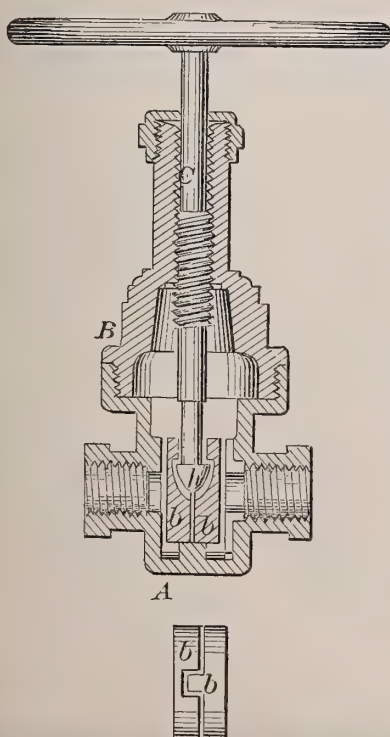
60929—N. Palmer—*Threshing Machine.*

60931—J. K. Park—*Damping Brush*.60930—P. Pardee—*Cur Brake*.

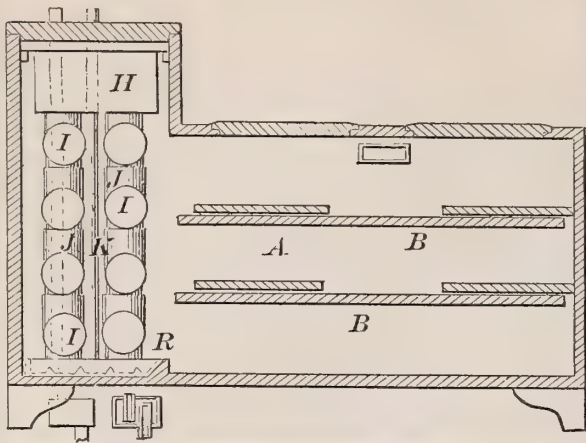
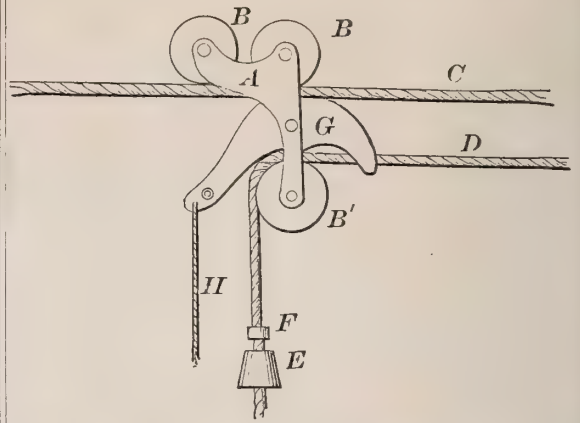
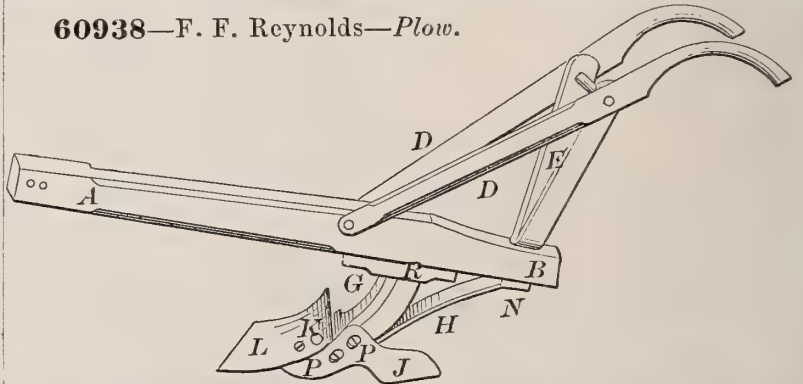
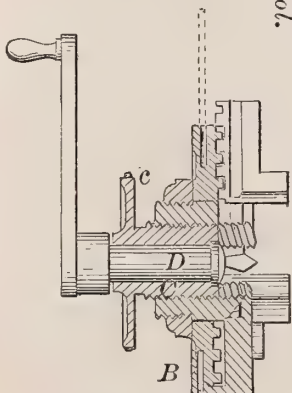
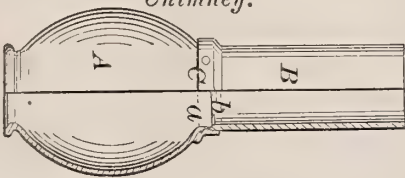
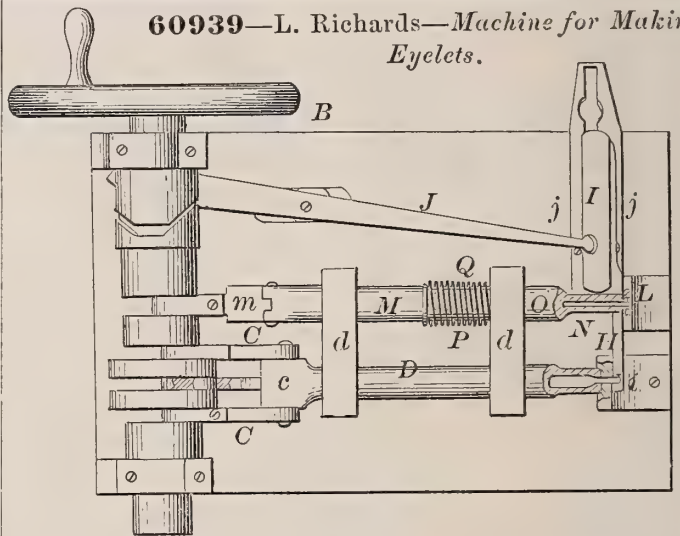
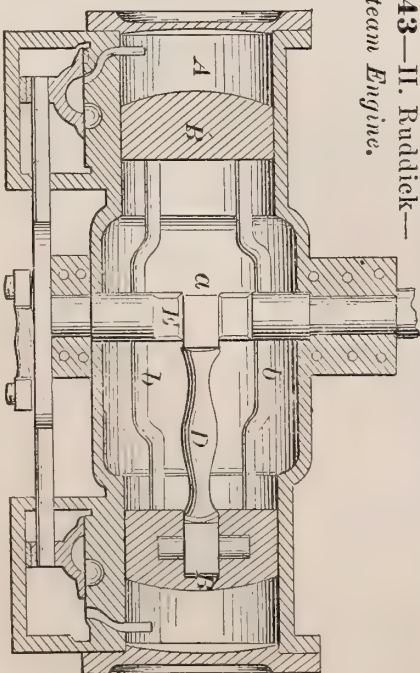
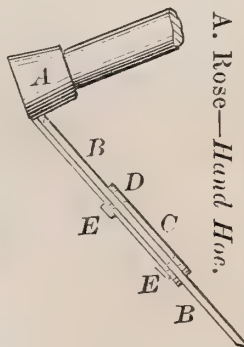
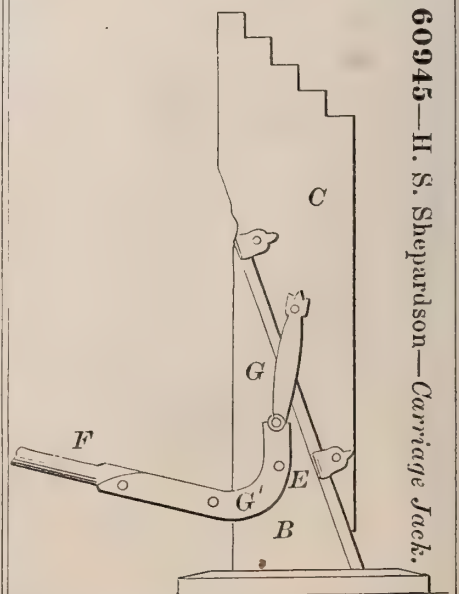
60933—W. L. Peet—Horse Power,



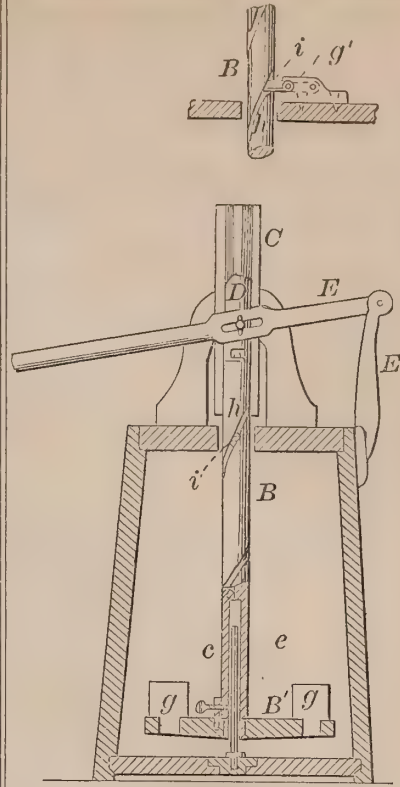
60932—S. J. Peet—*Steam Engine Valve.*



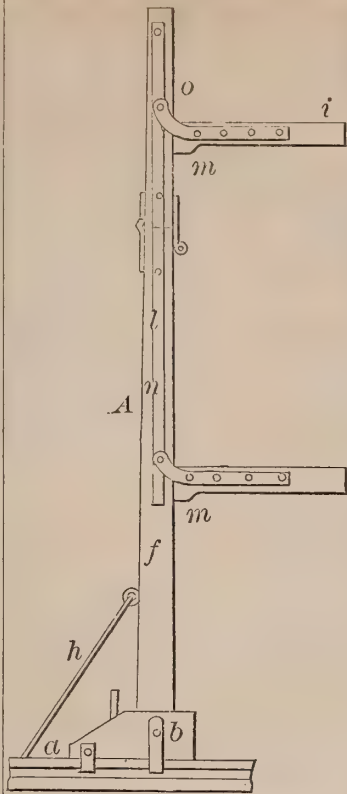


**60934**—C. F. Pike—*Refrigerator.***60935**—J. C. Price—*Hoisting Tackle.***60938**—F. F. Reynolds—*Plow.***60936**—N. Puckett—*Self-Centering Tool.***60937**—C. H. Reichmann—*Lamp Chimney.***60939**—L. Richards—*Machine for Making Eyelets.***60943**—H. Ruddick—*Steam Engine.***60941**—C. A. Rose—*Hand Hoe.***60945**—H. S. Shepardson—*Carriage Jack.*

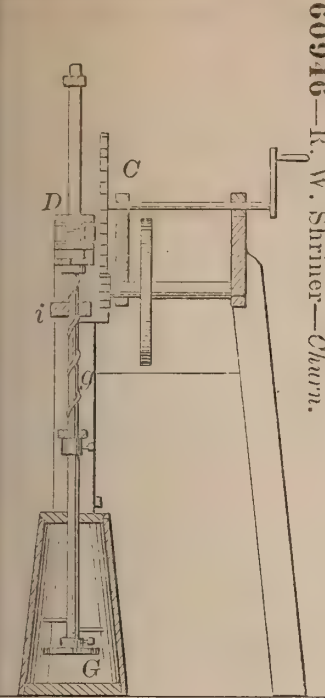
60952—Z. Sperry—*Churn.*



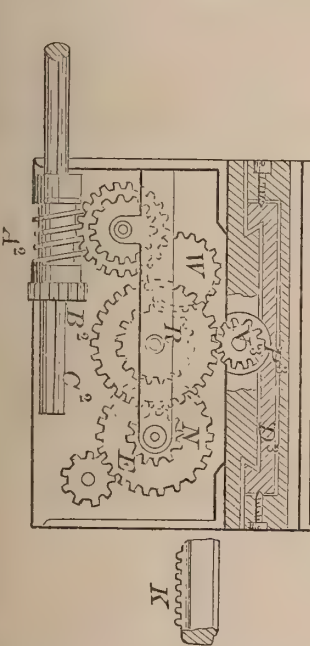
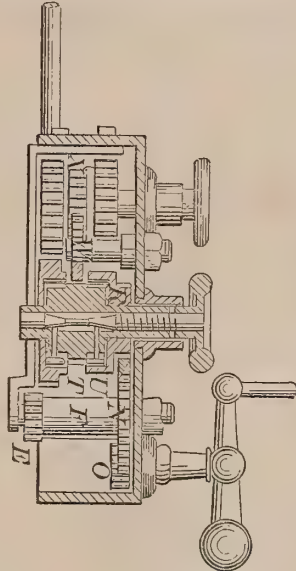
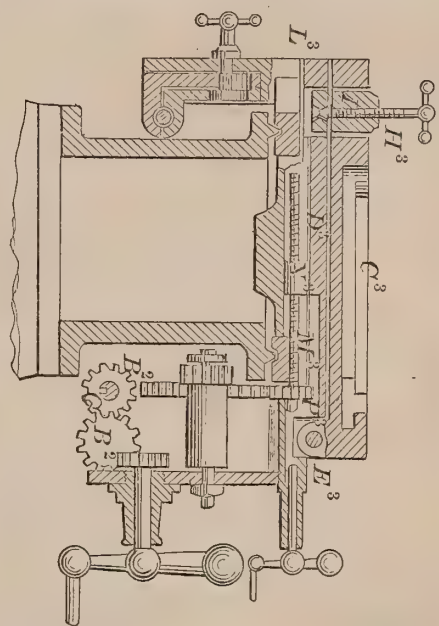
60947—J. E. Simpson—*Scaffolding for Dry Docks.*



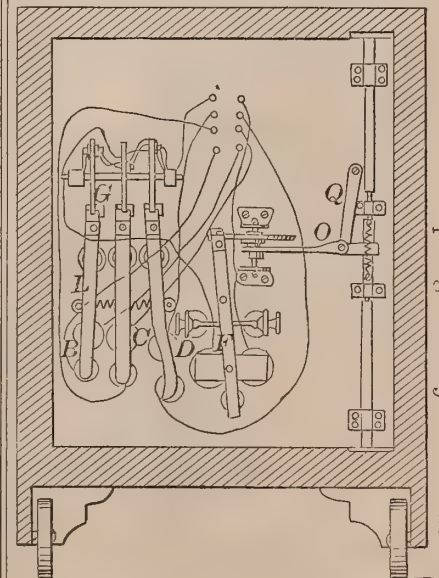
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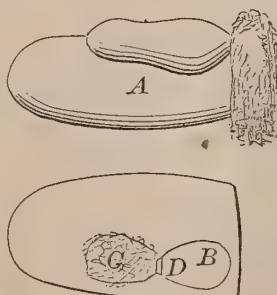
60950—H. K. Smith—*Lathe Rest.*



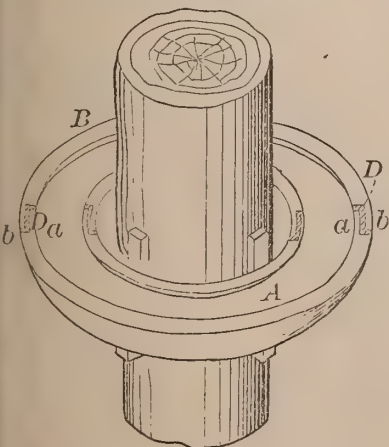
60953—L. C. Springer—*Magnetic Lock.*



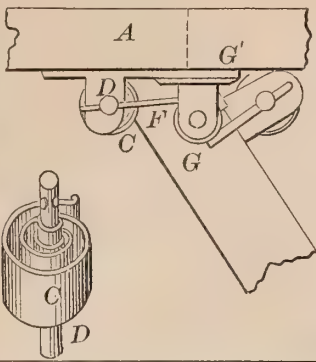
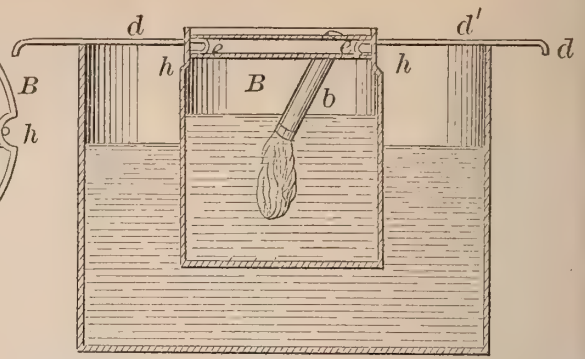
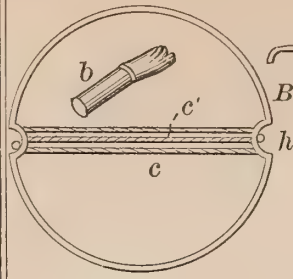
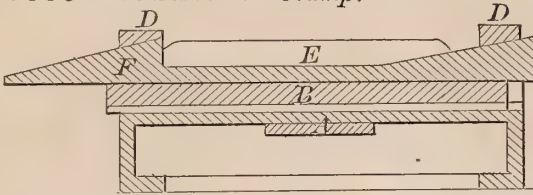
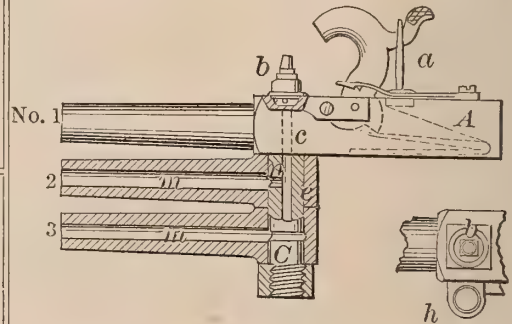
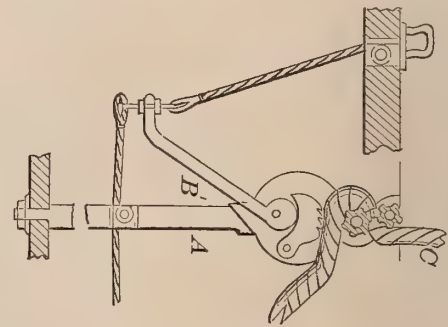
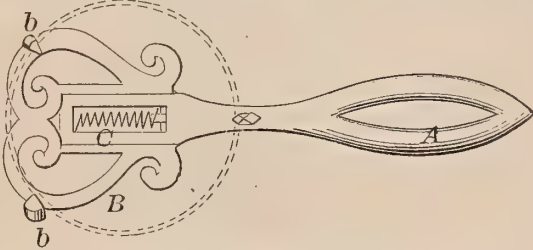
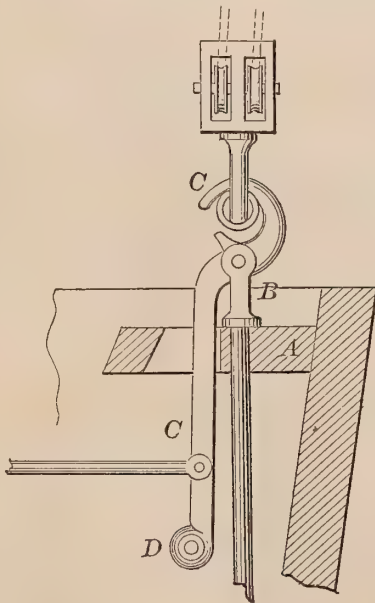
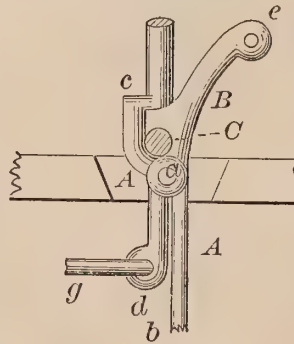
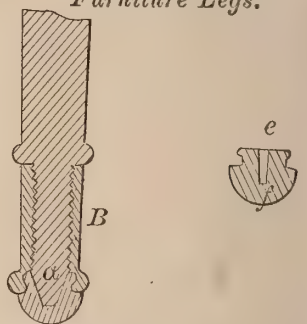
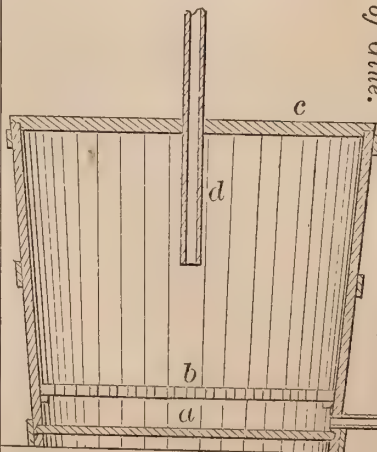
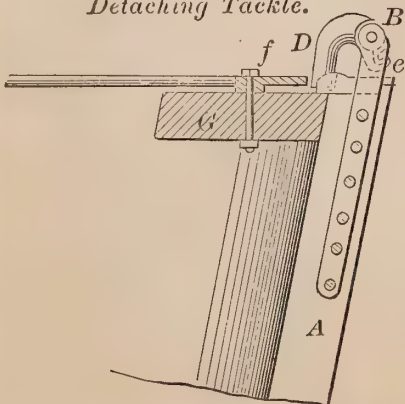
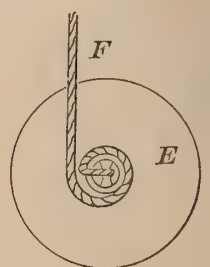
60949—A. P. Smith—*Mitten.*



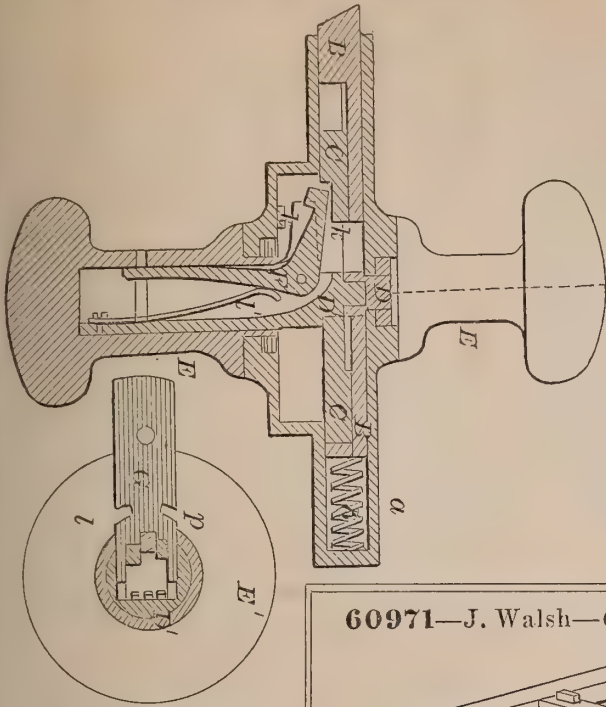
60951—J. Smith—*Curculio Trap.*



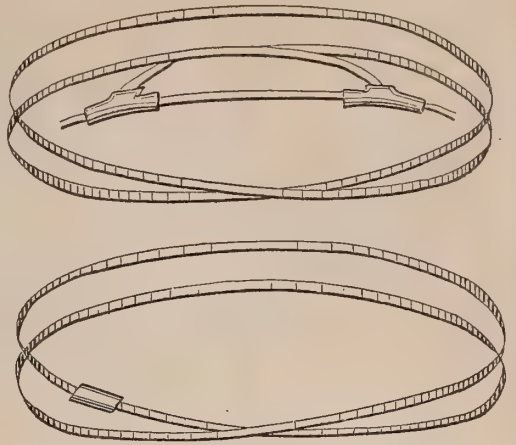


**60954**—J. Stephenson—*Door and Gate Spring.***60958**—H. C. Stewart—*Glue Pot.***60959**—W. Strevell—*Clamp.***60960**—P. Swisher—*Burglar Alarm Gun.***60962**—G. W. Taylor—*Blacking Box Holder.***60963**—J. R. Taylor—*Boat Detaching Tackle.***60964**—J. R. Taylor—*Boat Detaching Tackle.***60965**—J. R. Taylor—*Boat Detaching Tackle.***60967**—E. S. Torrey—*For Attaching Tips to Furniture Legs.***60966**—J. R. Taylor—*Boat Detaching Tackle.***60968**—G. Upton—*Manufacture of Glue.***60961**—J. Sycher—*Wheel Toy.*

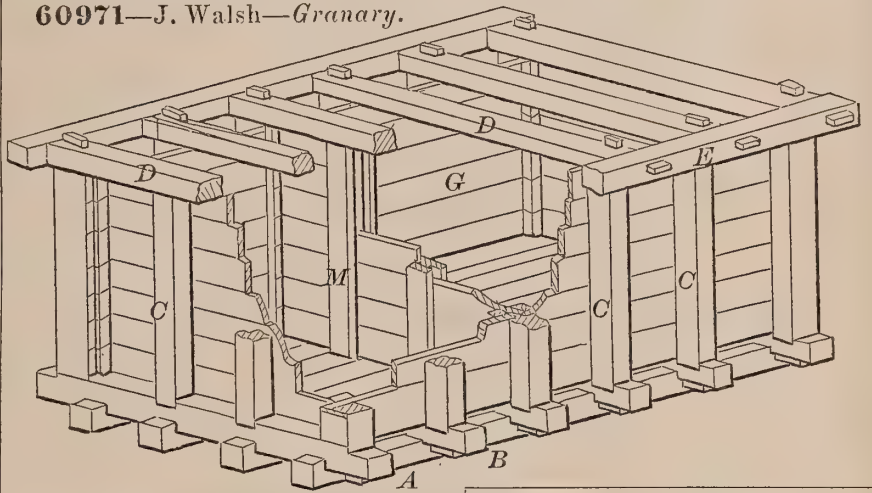
60974—H. B. Weaver—*Lock and Key.*



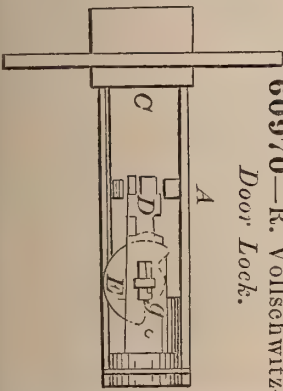
60969—H. Vincent—*Hoop Skirt.*



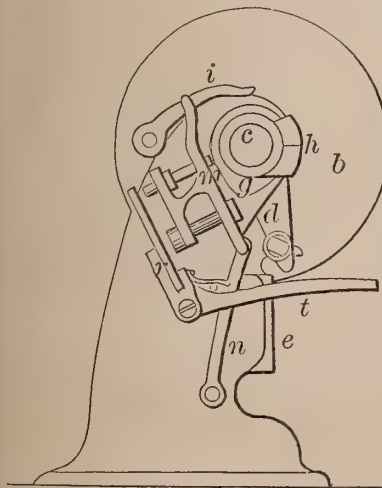
60971—J. Walsh—*Granary.*



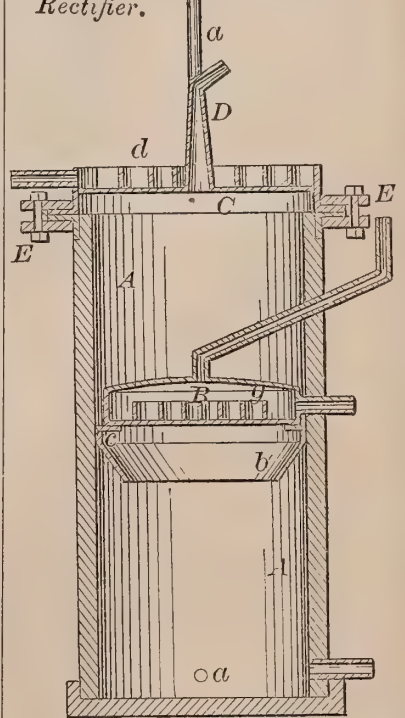
60970—R. Vollschwiltz—*Door Lock.*



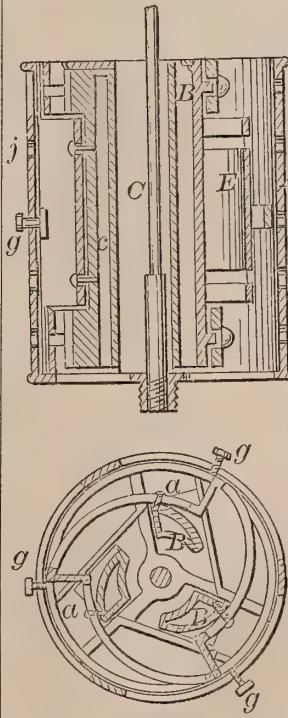
60973—H. Waters—*Operating Dies.*



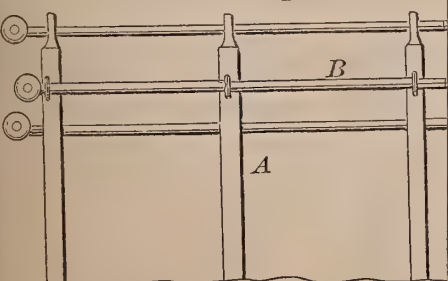
60975—A. Werné—*Still Rectifier.*



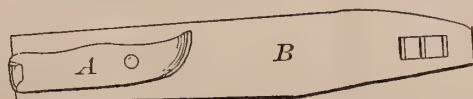
60972—J. Ward—*Hollow Auger.*



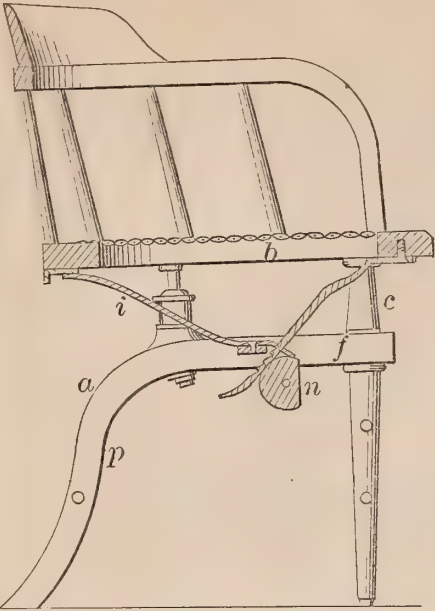
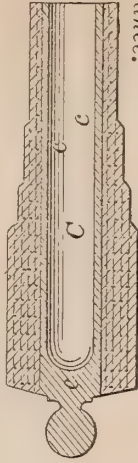
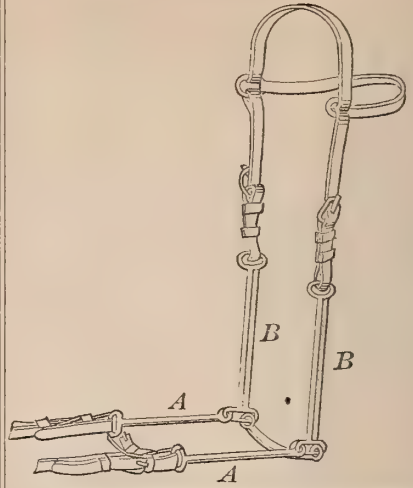
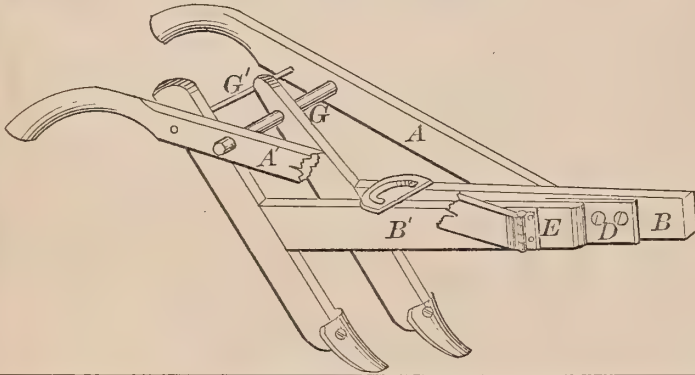
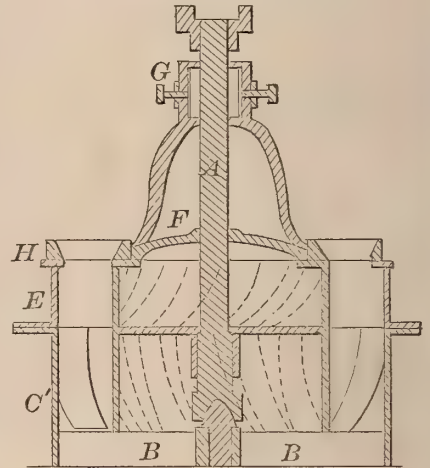
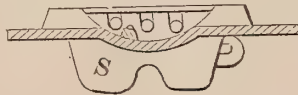
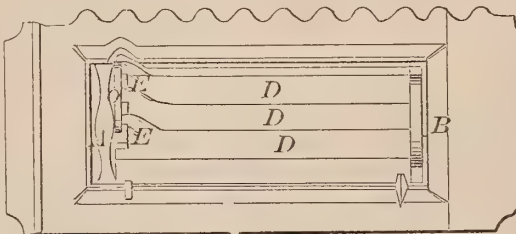
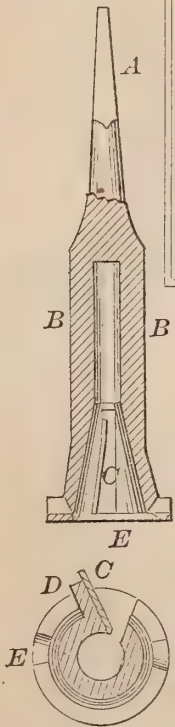
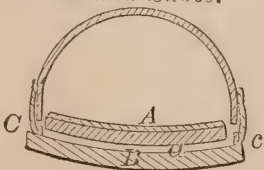
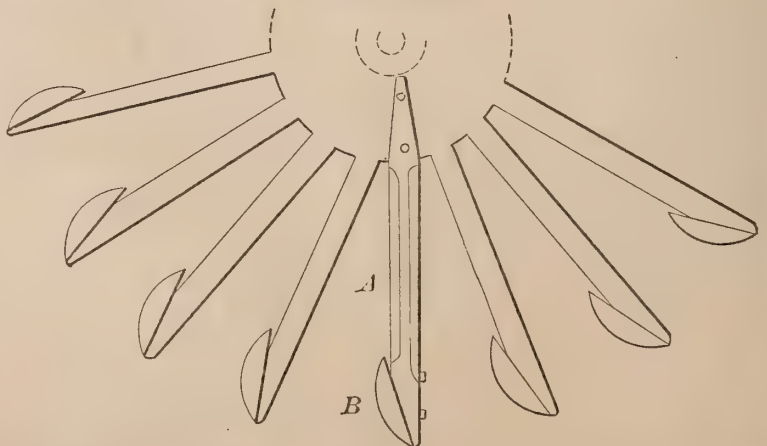
60976—Wightman & Williams—*Cultivating Hops.*



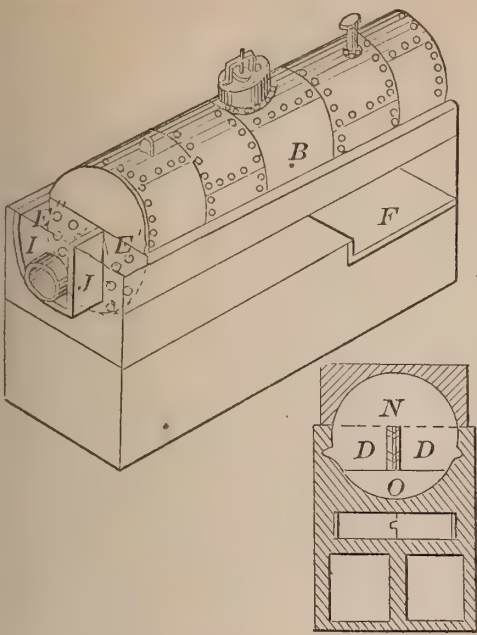
60977—J. F. Winchell—*Corn Husker.*



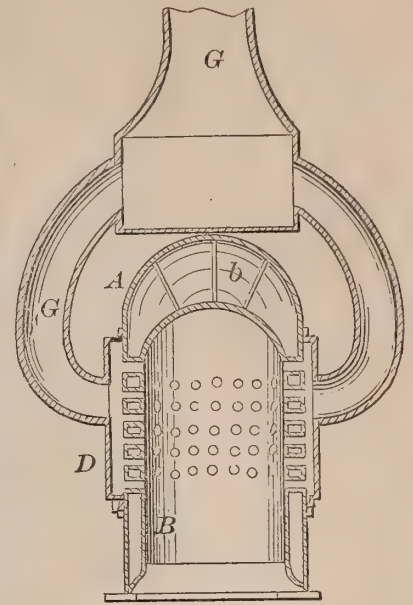


60978—G. C. Winchester—*Chair.*60979—W. E. Woodbridge—*Construction of Ordnance.*60980—L. D. Woodmansee—*Bridle Bit.*60982—S. A. Wray—*Cultivator Plow.*60983—Wreath & Burns—*Water Wheel.*60981—C. J. Woolson—*Grate.*60985—E. Young—*Hollow Auger.*60987—D. M. Ayer—*Boots and Shoes.*60988—E. Banks—*Paddle Wheel.*

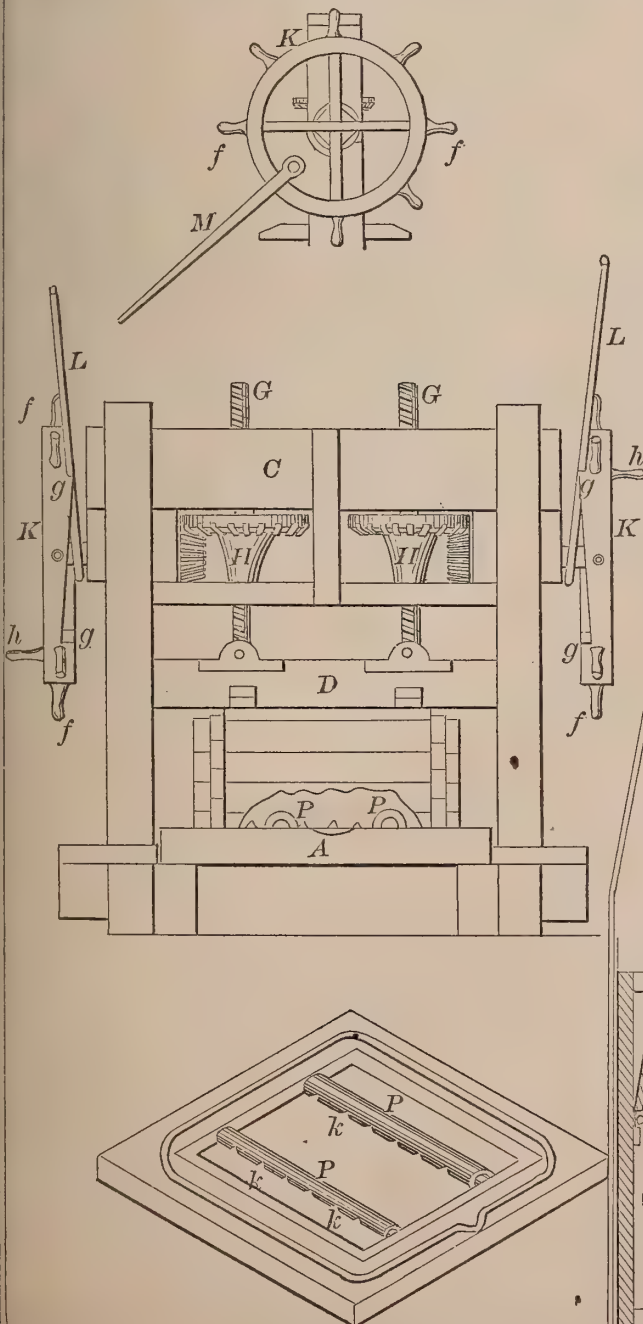
60990—J. Best—*Steam Boiler Furnace.*



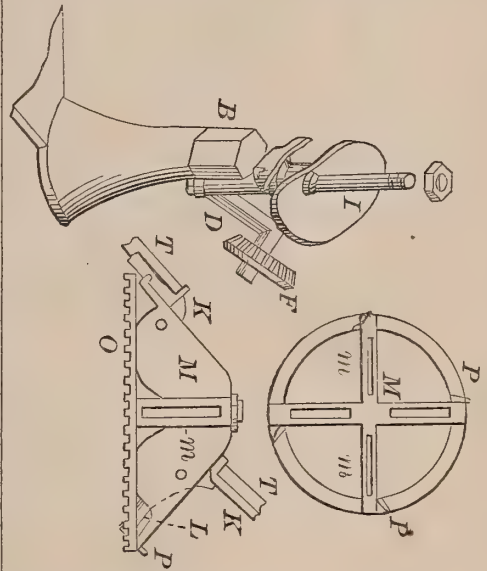
60991—W. Branagan—*Steam Generator.*



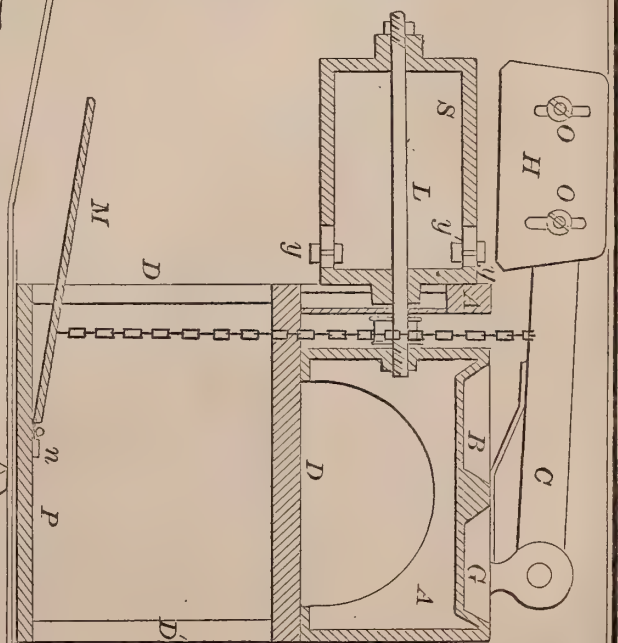
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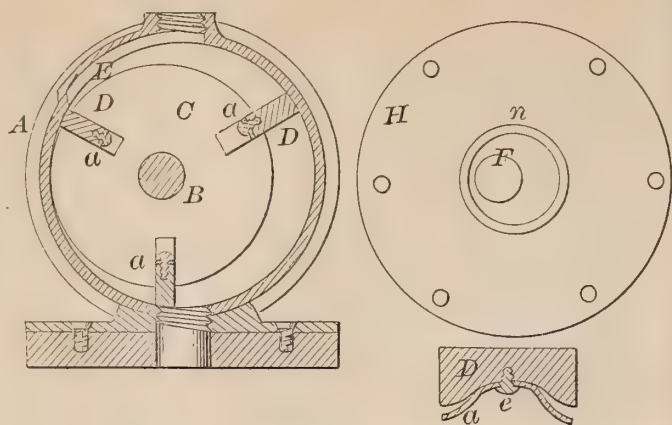
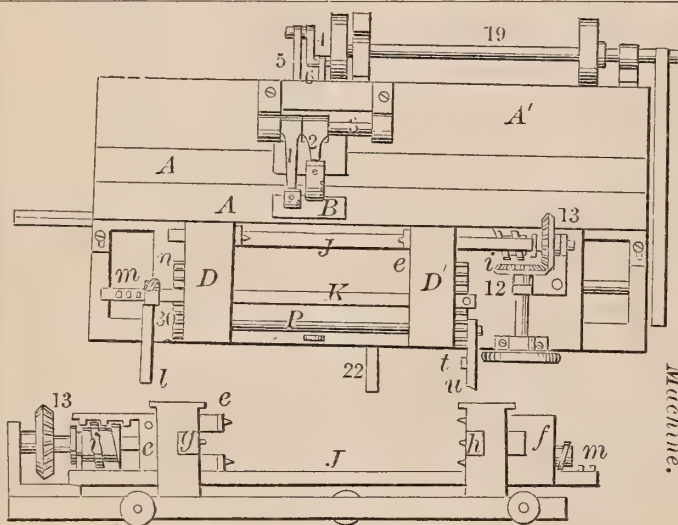
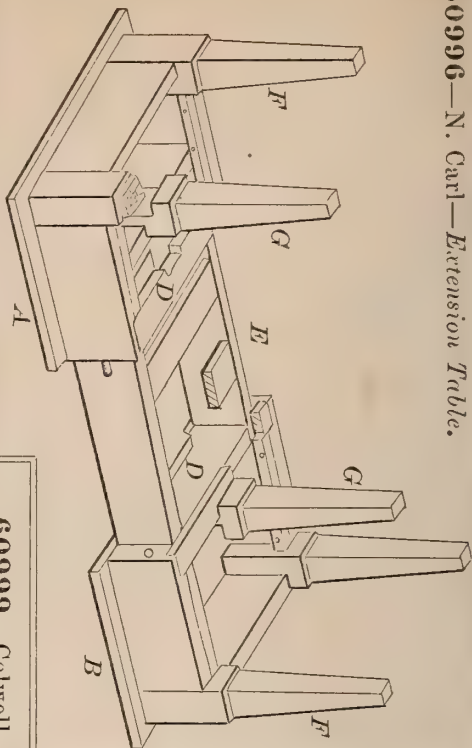
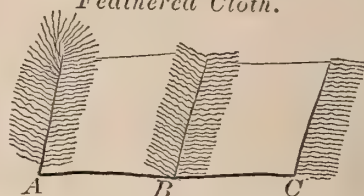
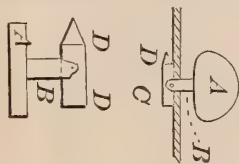
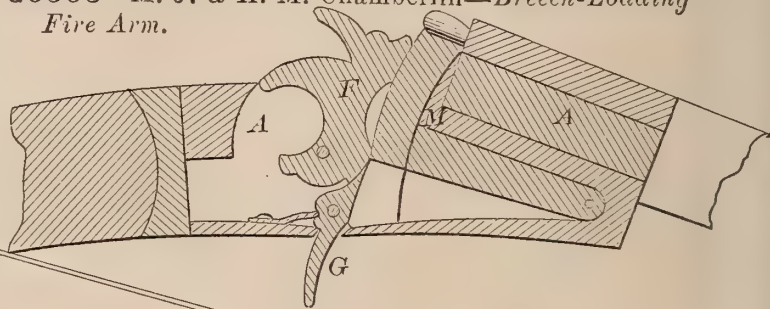
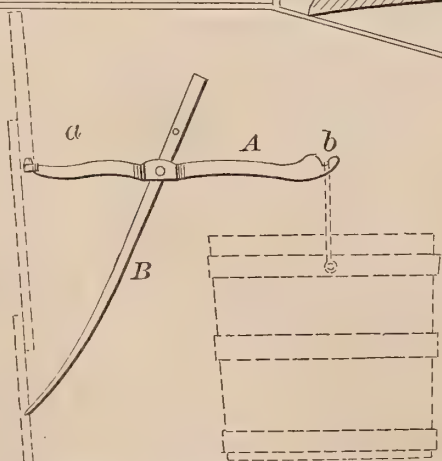
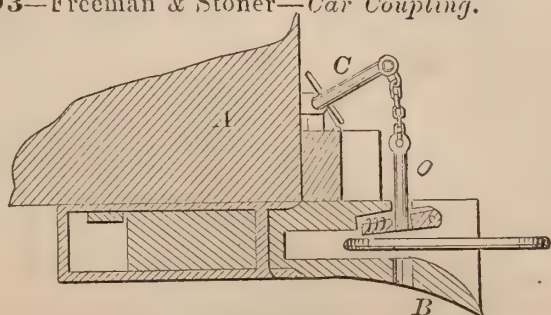
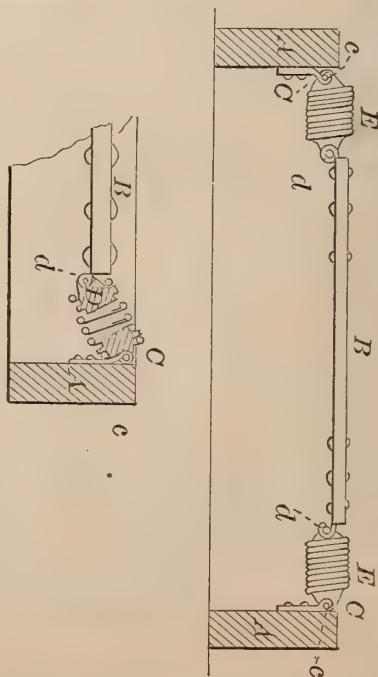
60993—F. Brna—*Harvester Rake.*



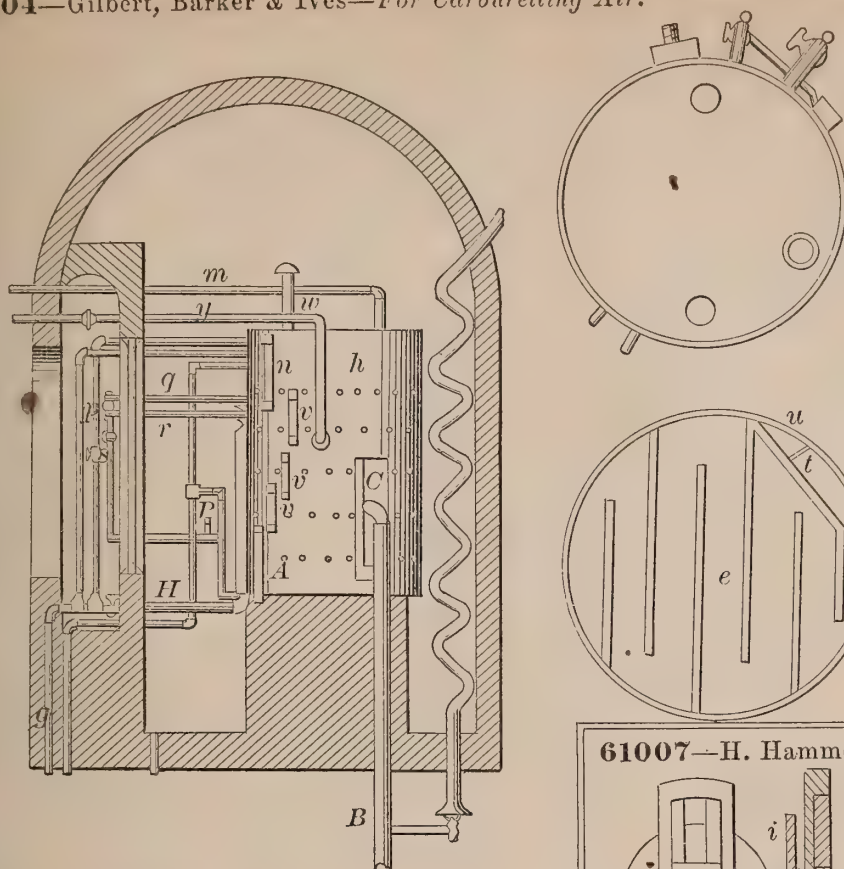
60994—W. S. Buck—*For Making Tin Cans.*



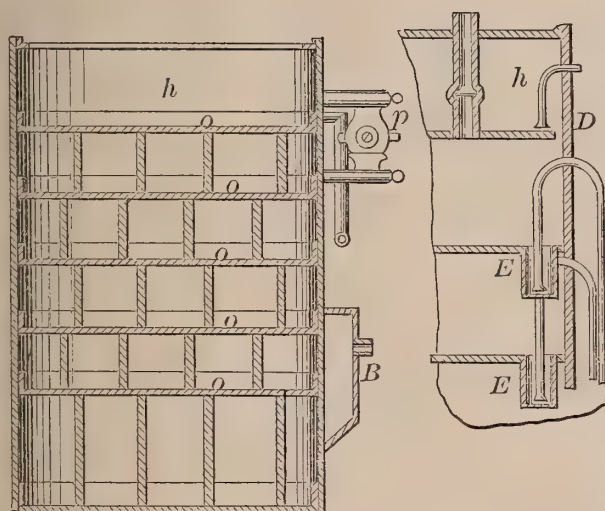
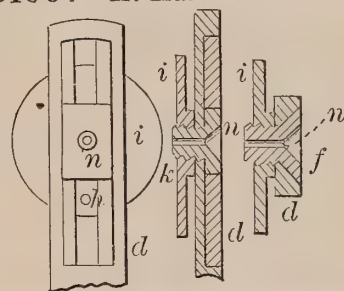


**60995**—W. Butterfield—*Rotary Pump.***60996**—N. Carl—*Extension Table.***60999**—Colwell & Veazie—*Stave Machine.***61000**—A. A. Condit—*Feathered Cloth.***60997**—H. Carlos—*Button.***60998**—M. J. & H. M. Chamberlin—*Breech-Loading Fire Arm.***61002**—J. H. Flags—*For Hanging Paint Pots, &c.***61003**—Freeman & Stoner—*Car Coupling.***61001**—E. S. Cross—*Bed Bottom and Sear.*

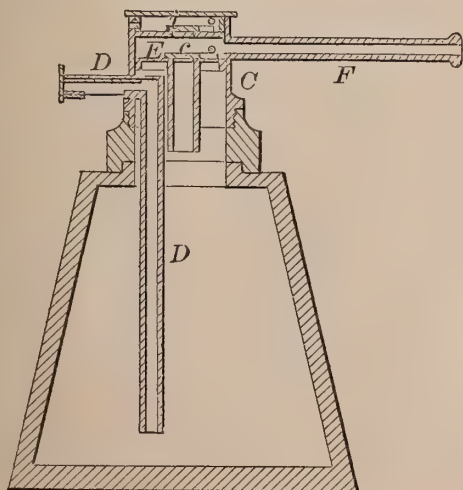
61004—Gilbert, Barker & Ives—For Carburetting Air.



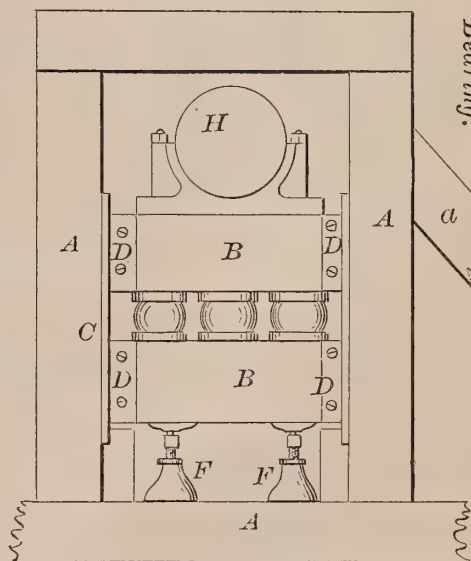
61007—H. Hammond—Fire Arm Sight.



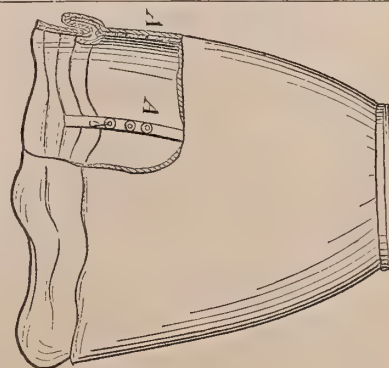
61008—I. Holmes—Inhaler.



61005—G. K. Grayas—Steamship Shaft Bearing.

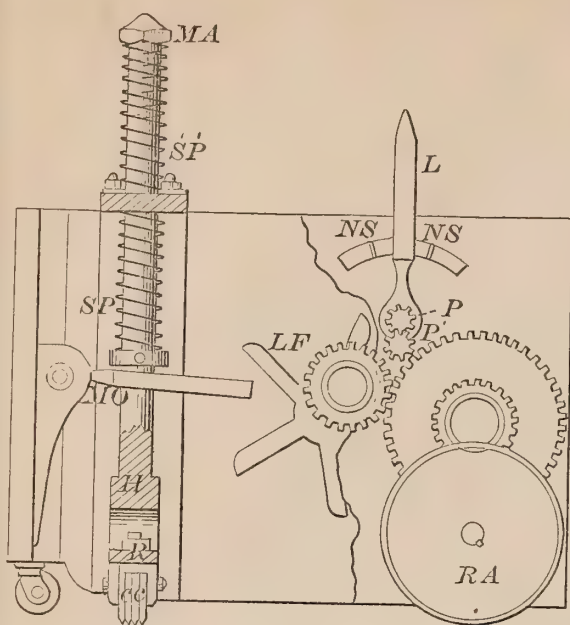


61011—J. L. Kendall—Skirt Supporter.

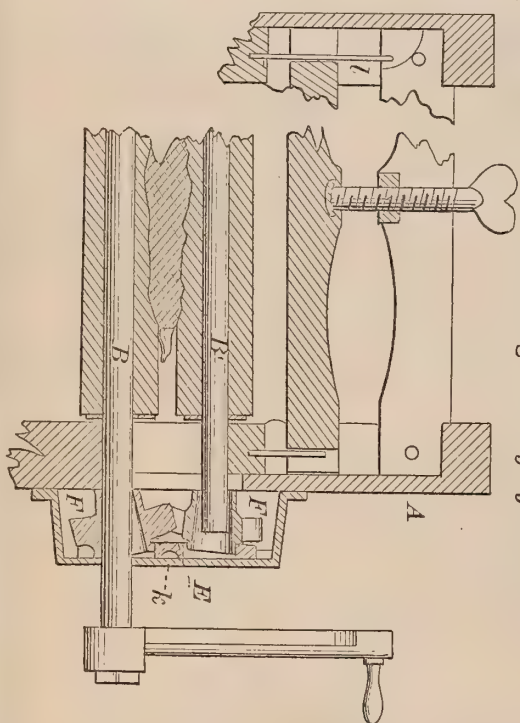




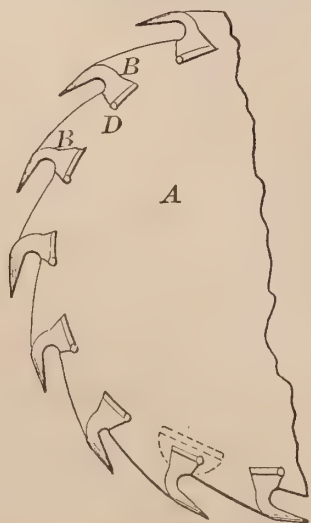
61009—B. S. Hunt—Stone Dresser.



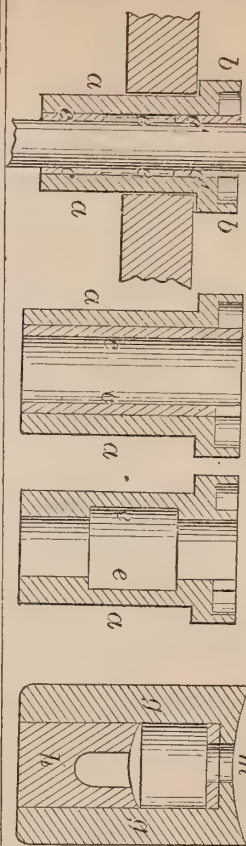
61012—Latcher &amp; Young—Wringing Machine.



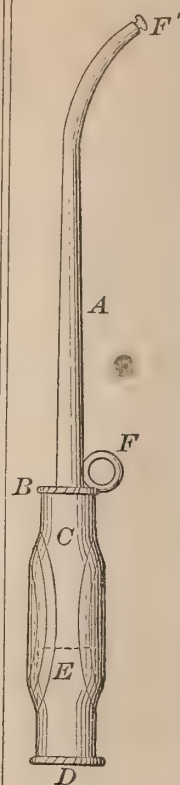
61014—Martin &amp; Woodrough—Saw.



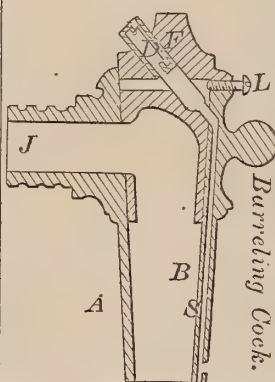
61010—B. H. Jenks—Spinning Frame.



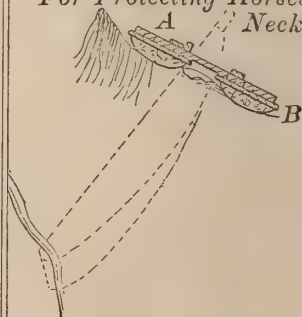
61013—W. L. Ludlow—Match Safe and Lamp.



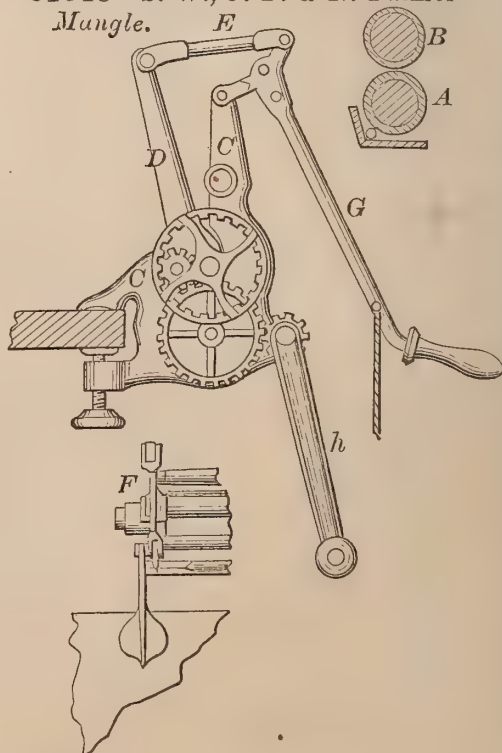
61015—A. J. &amp; T. McKenna—Banding Cock.



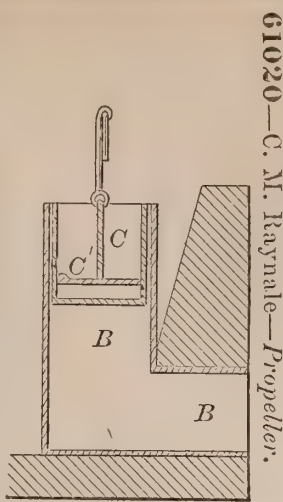
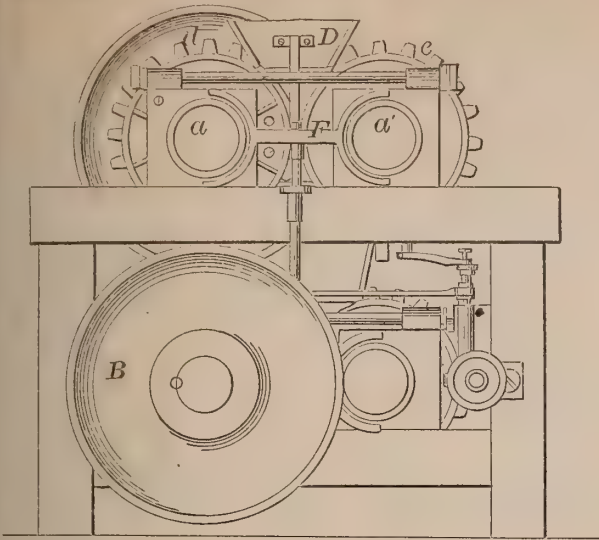
61016—J. P. Meyer—For Protecting Horses' Necks.



61018—S. W., J. F. &amp; N. Palmer—Mangle.



61019—Parrott & Bordman—Ore Crusher.

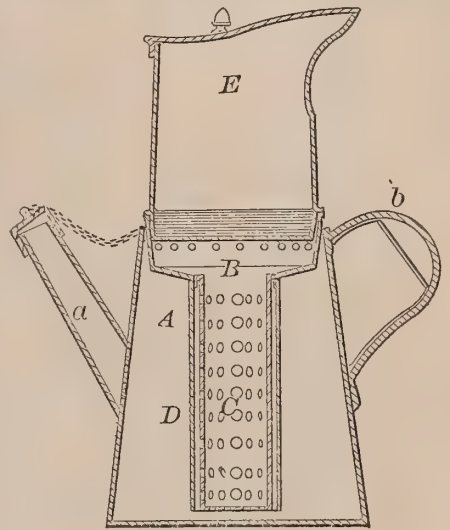


61020—C. M. Raynole—Propeller.

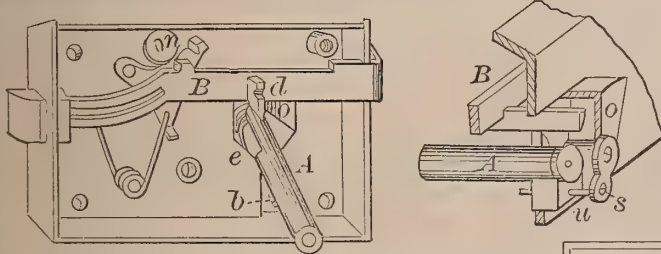
61021—D. T. Robinson—Horse  
Railway Car.



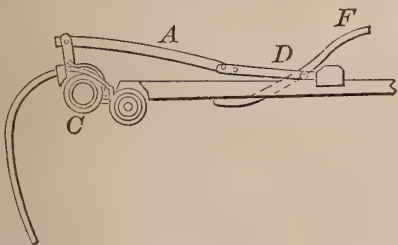
61022—D. T. Robinson—Coffee Pot.



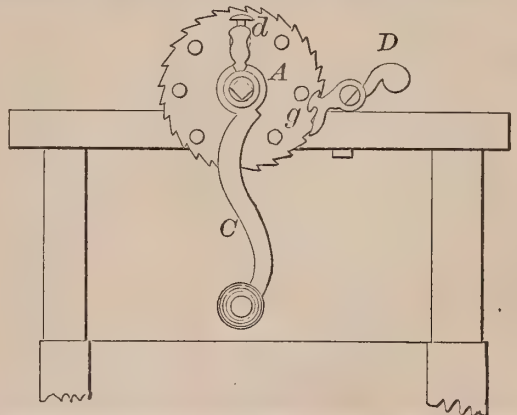
61025—A. M. Smith—Spring Lock.



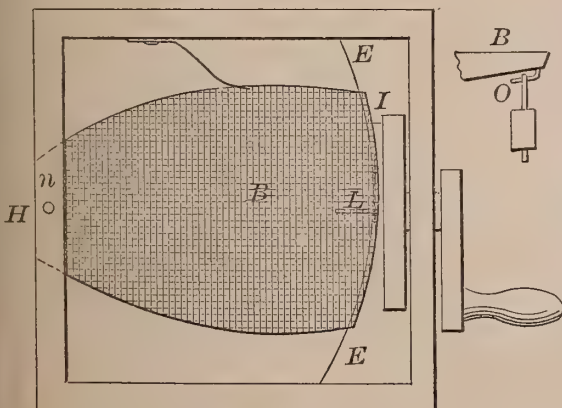
61023—A. V. Ryder—Horse Rake.



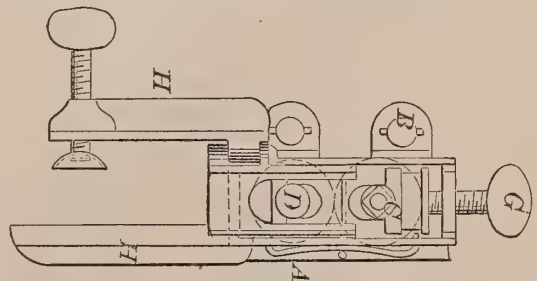
61024—Scholze & Bickel—Water Elevator.



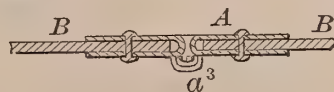
61026—H. C. Smith—Flour Sifter.



61027—S. Squires—Wringing Machine.

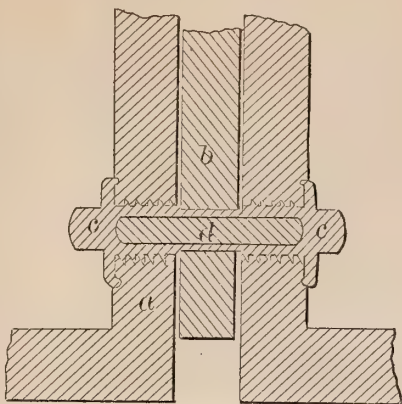


61028—R. N. Stewart—Paper Box.

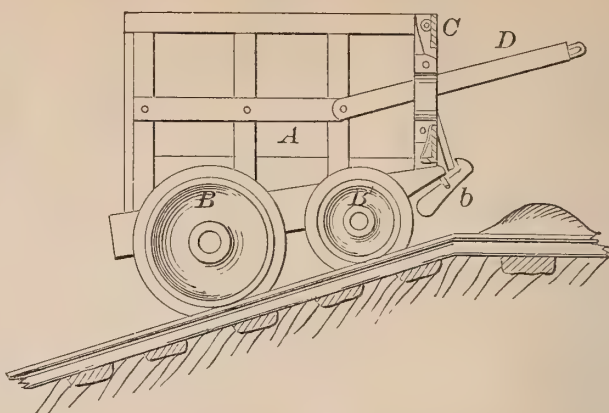




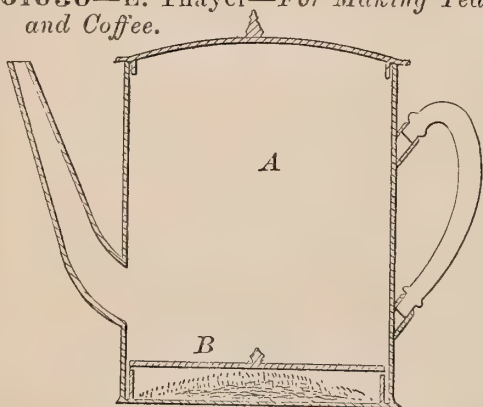
**61029**—G. & G. W. Storer—  
*Centre Board of Vessels.*



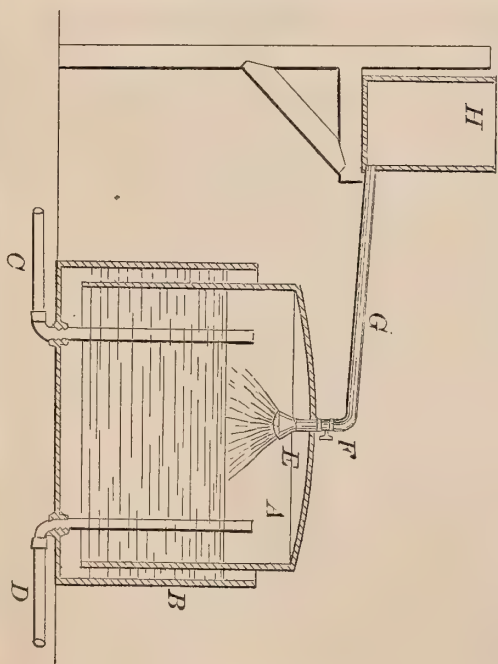
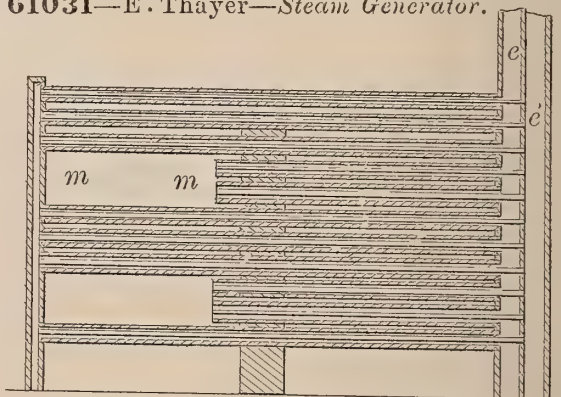
**61038**—J. W. Bancroft—*Dumping Car.*



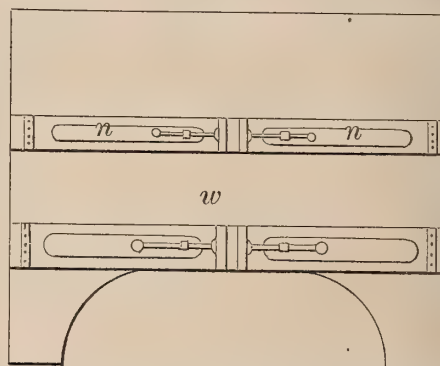
**61030**—E. Thayer—*For Making Tea and Coffee.*



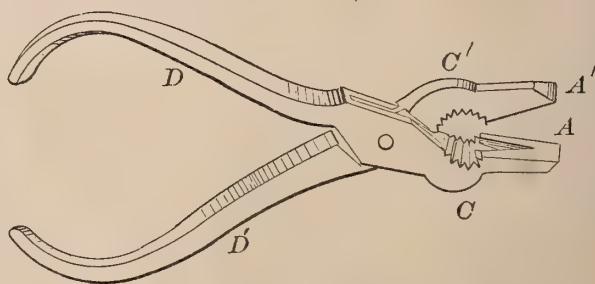
**61031**—E. Thayer—*Steam Generator.*



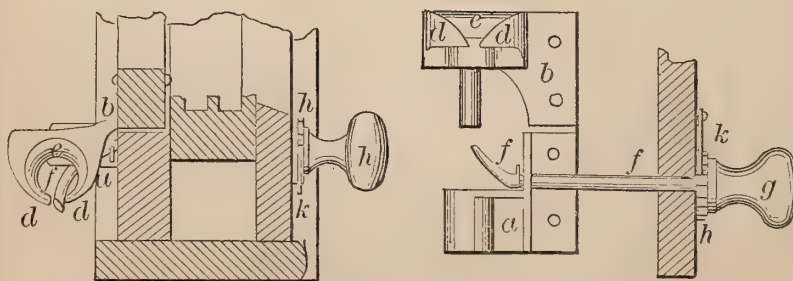
**61033**—C. M. Williams—*For Carbureting Gas.*



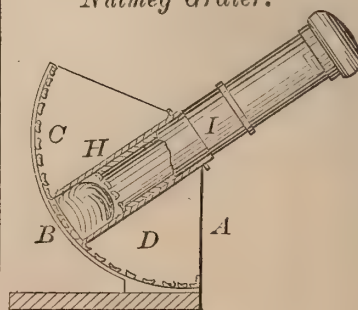
**61032**—S. Walker—*Pliers.*



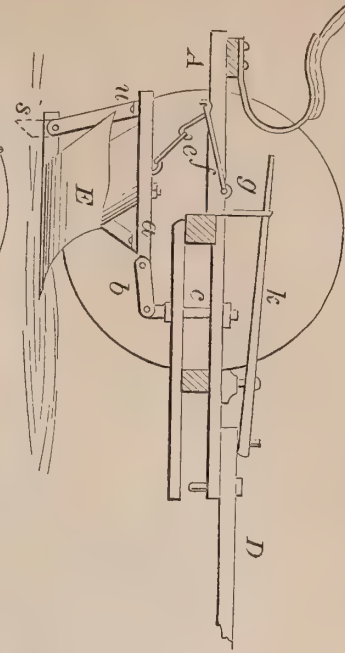
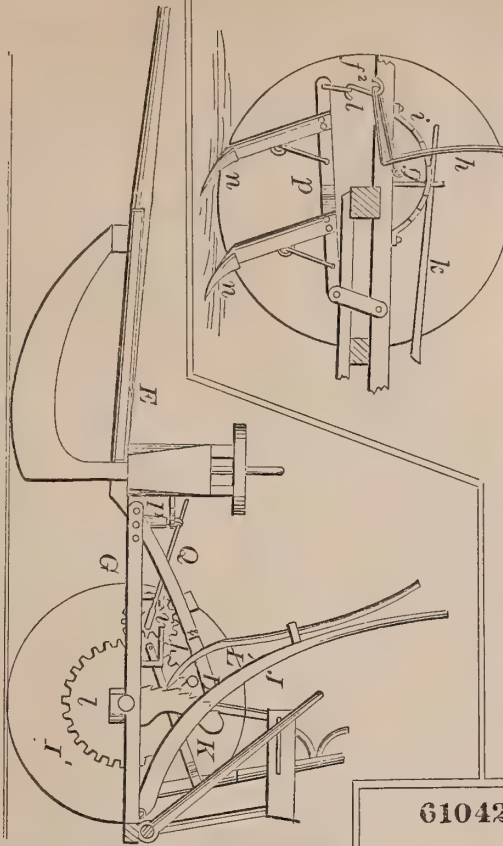
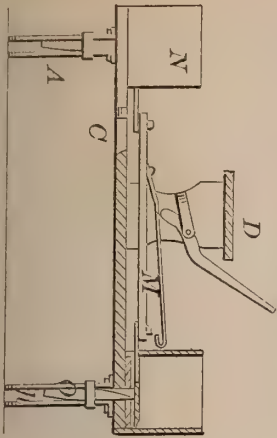
**61035**—Adler & Knell—*Sash and Blind Fastener.*



**61037**—L. V. Badger—*Nutmeg Grater.*

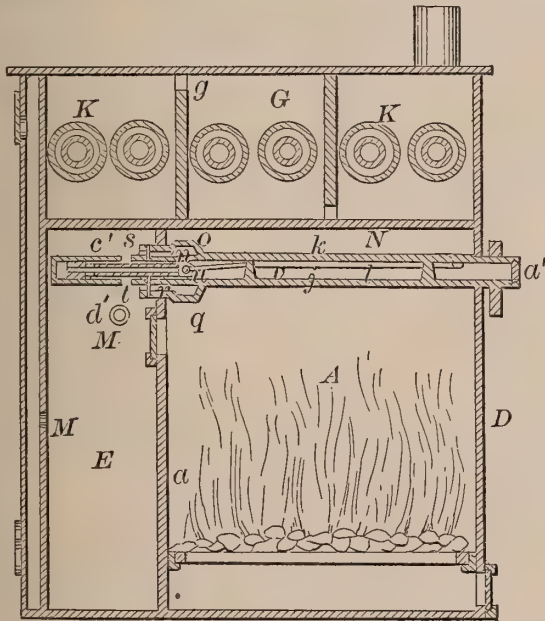


61041—H. Barsalow—*Seeding Machine.*

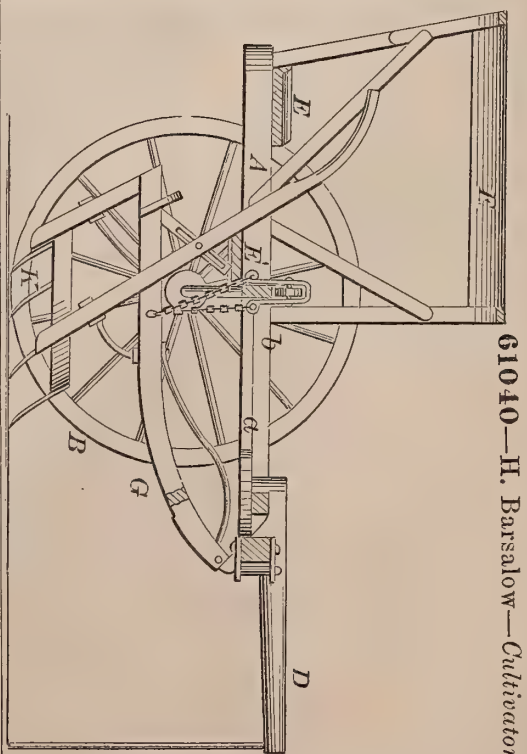
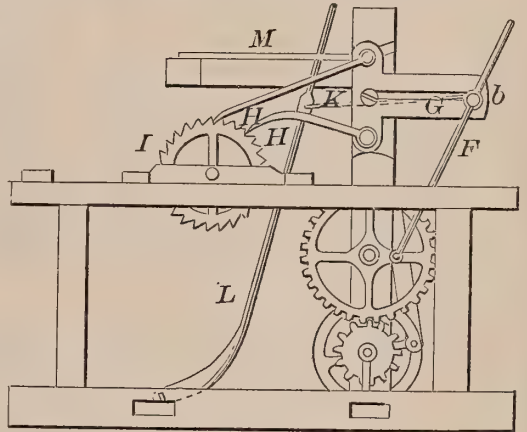


61039—J. H. Barringer—*Cultivator and Sulley Plow.*

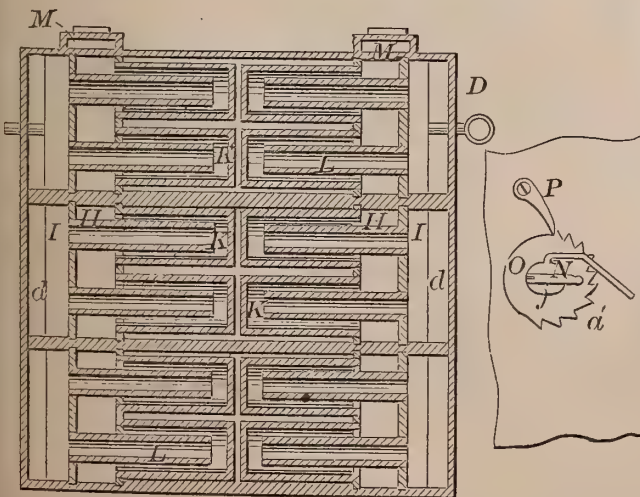
61043—V. W. Blanchard—*Hot Air Furnace.*



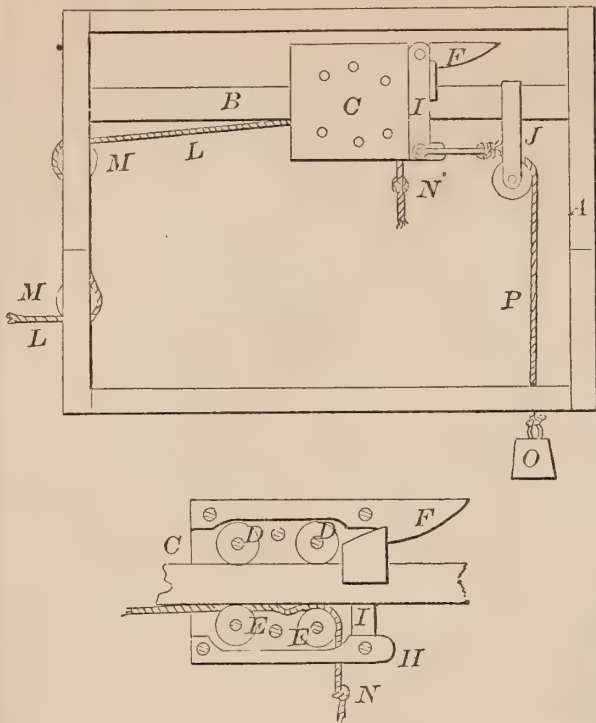
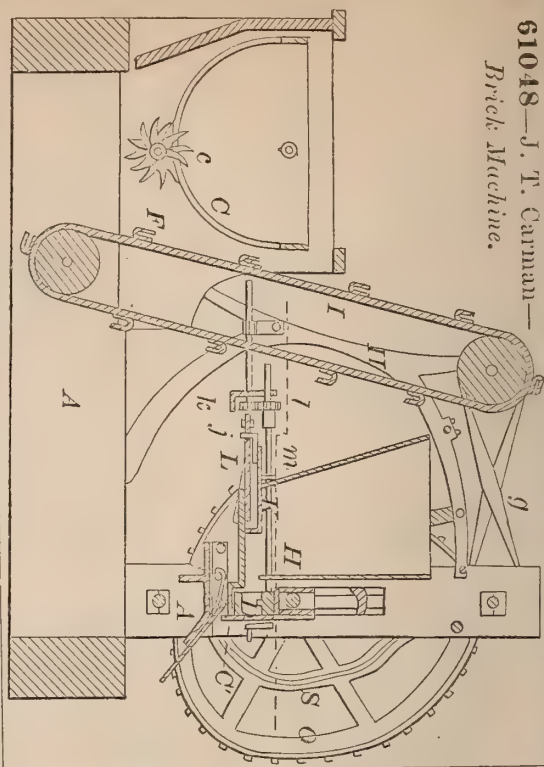
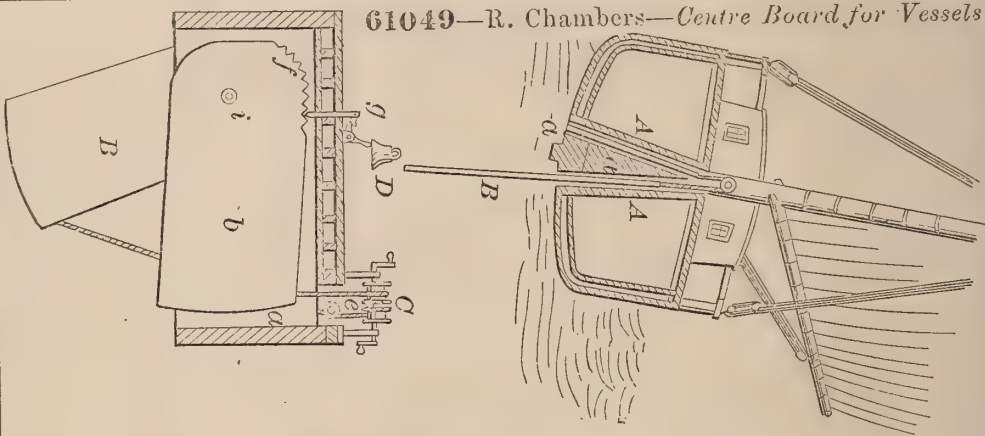
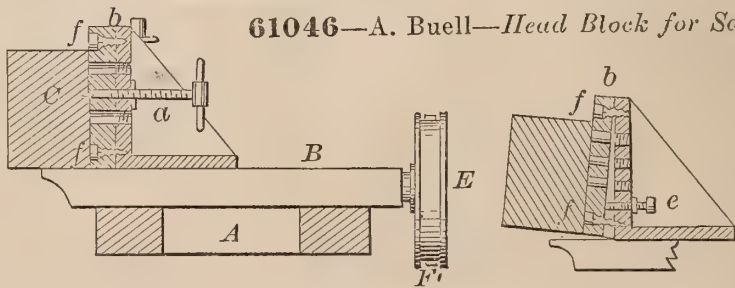
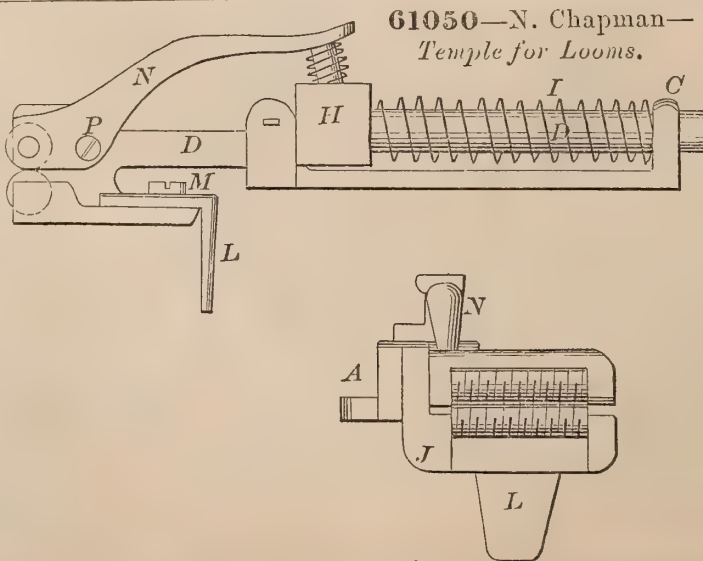
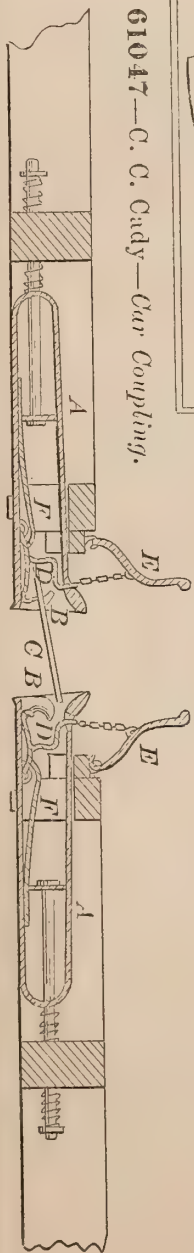
61042—J. L. Beers—*Saw Mill.*



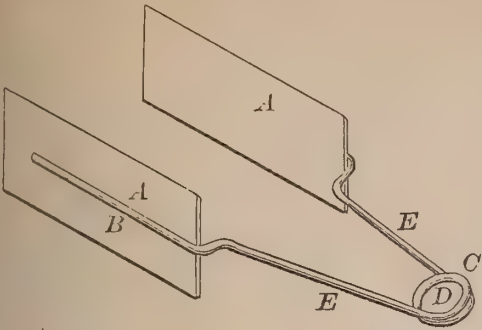
61040—H. Barsalow—*Cultivator.*



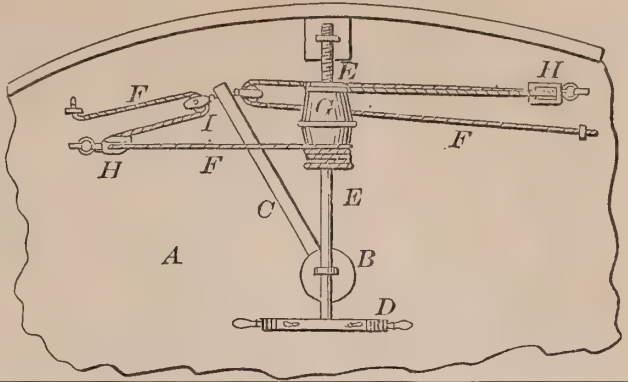


61044—J. T. Breneman—*Hay Stacker.*61048—J. T. Carnum—*Brick Machine.*61049—R. Chambers—*Centre Board for Vessels.*61046—A. Buell—*Head Block for Saw Mills.*61050—N. Chapman—*Temple for Looms.*61045—Bright & Morey—*Medicated Plaster.*61047—C. C. Cady—*Car Coupling.*

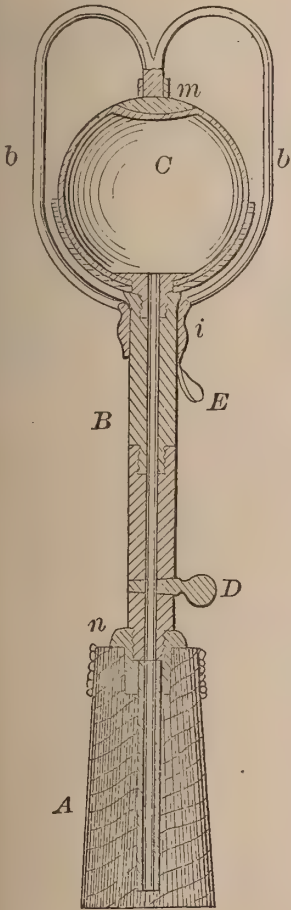
**61051**—J. S. Clark—*Butter Tongs.*



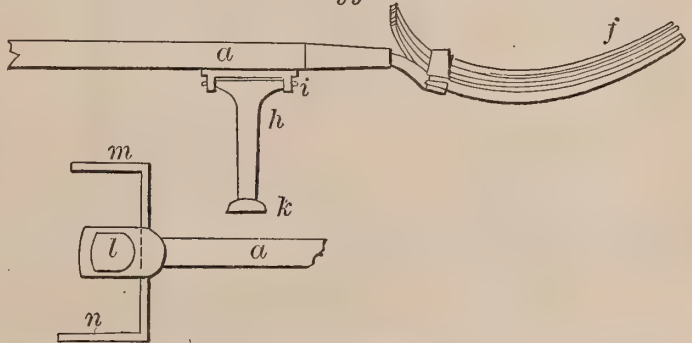
**61052**—E. S. Coffin—*Steering Apparatus.*



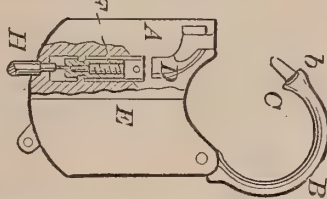
**61053**—W. Cover—*Paint Brush.*



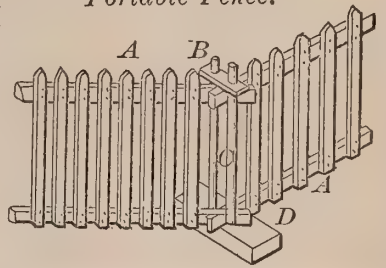
**61058**—W. H. Elliot—*Potato Digger.*



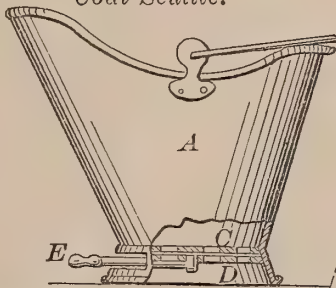
**61055**—L. P. Decker—*Lock.*



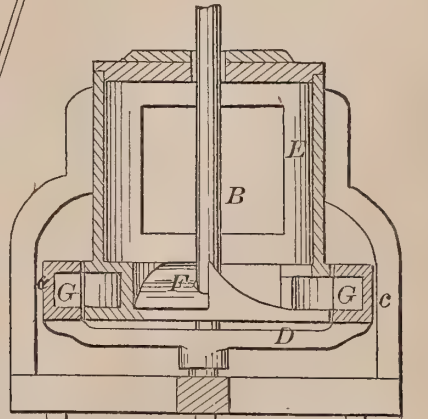
**61057**—P. S. Dusenbury—*Portable Fence.*



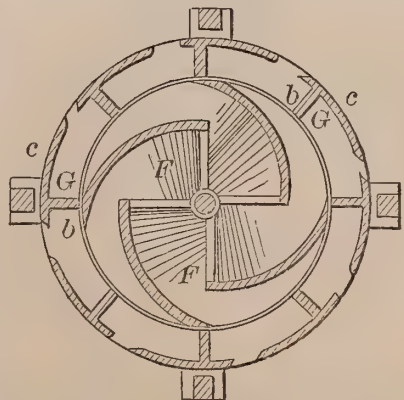
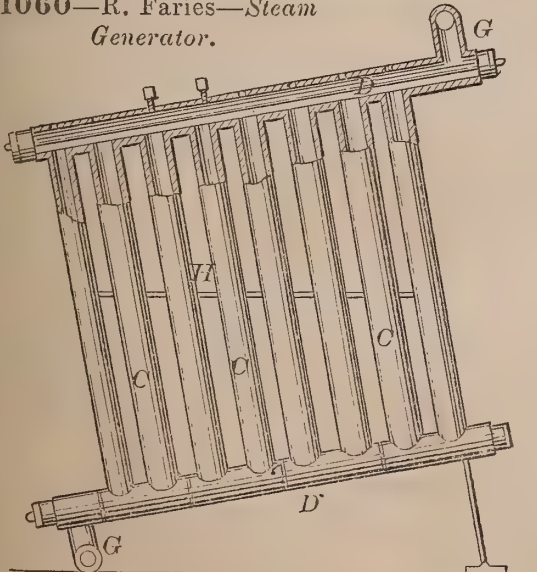
**61054**—B. F. Cowan—*Coal Scuttle.*



**61059**—W. H. Elmer—*Water Wheel.*

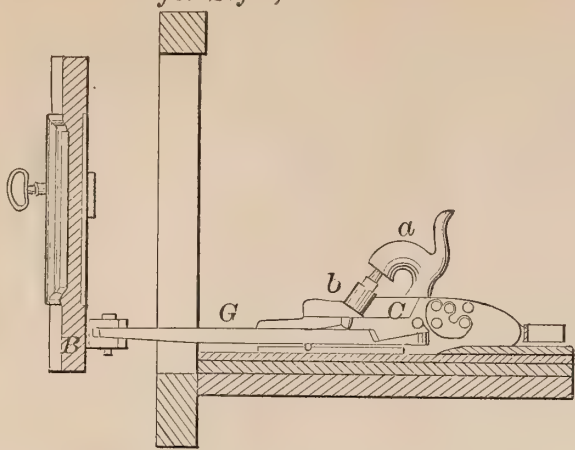


**61060**—R. Faries—*Steam Generator.*

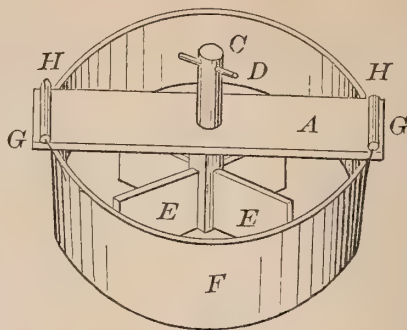




**61061**—B. G. Fitzhugh—*Burglar Alarm for Safes, &c.*



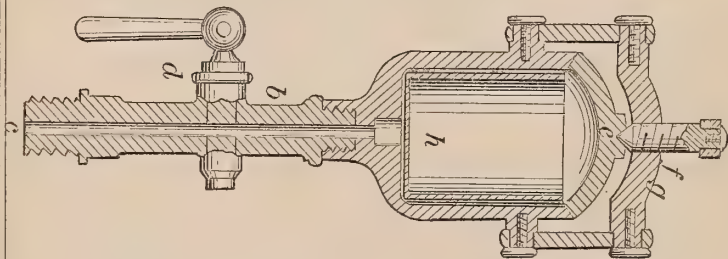
**61067**—J. S. Hittell—*Washing Machine.*



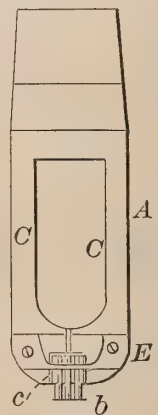
**61070**—L. Hull—*Whip Stock.*



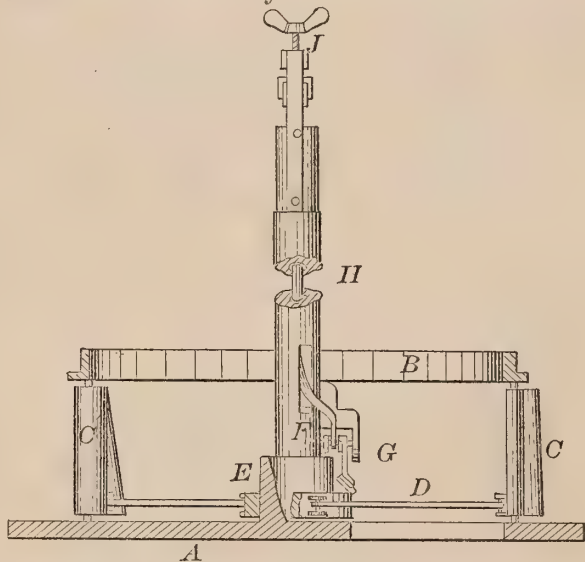
**61062**—T. Fleetwood—*Lubricating Cup.*



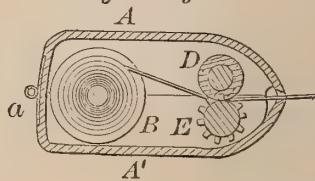
**61069**—R. Hughes—*Punch.*



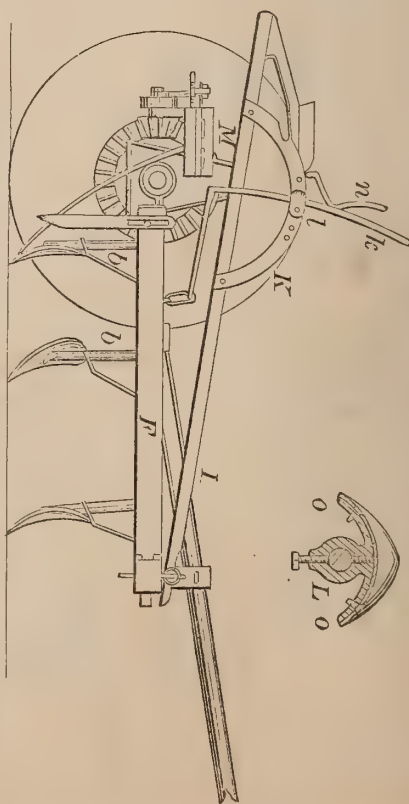
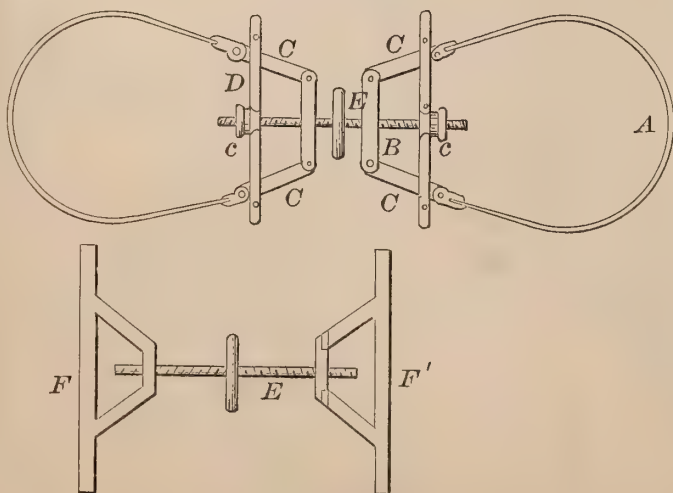
**61066**—J. Hemenway—*Water Wheel.*



**61065**—W. Helfricht—*Passenger Register.*

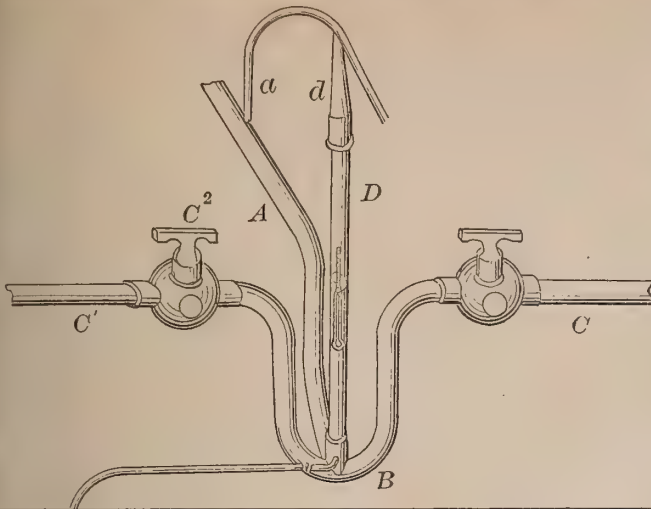


**61068**—W. W. Hornberger—*For Forming Boilers.*

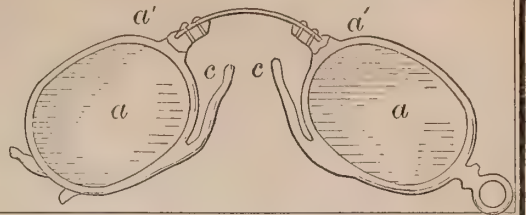


**61071**—M. J. Hunt—*Corn Planter and Cultivator.*

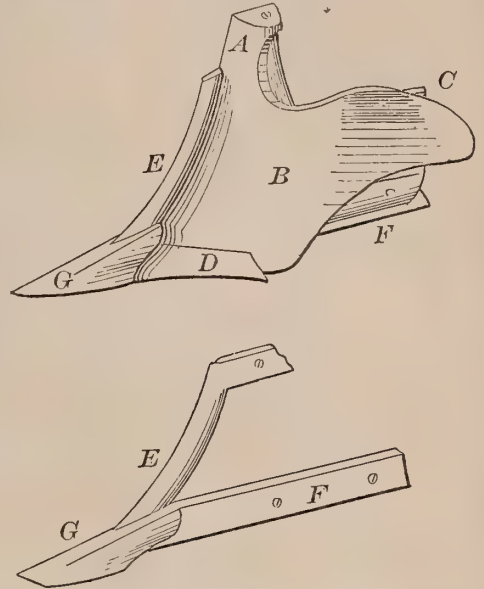
61072—W. James—*Spirit Proof Test for Stills.*



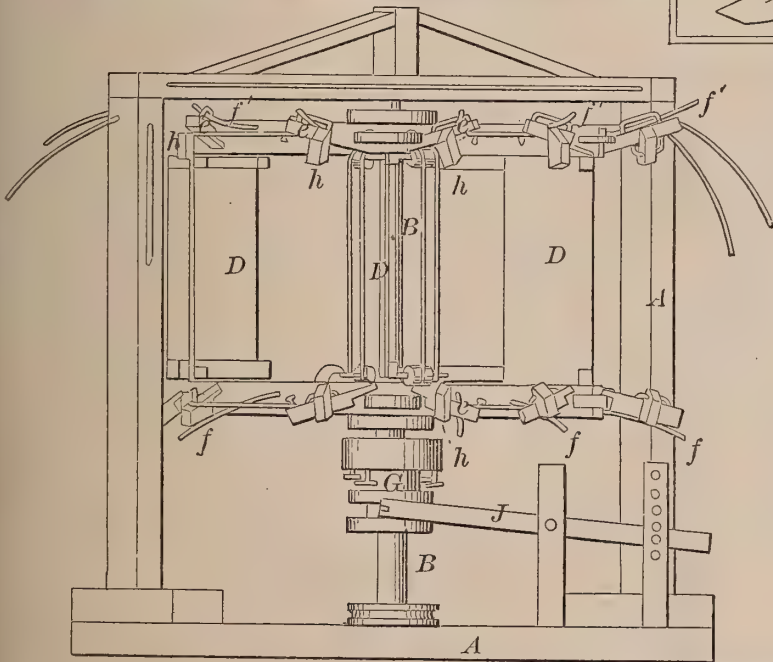
61073—E. K. Josselyn—*Eye Glasses.*



61075—J. W. Lewis—*Plow.*

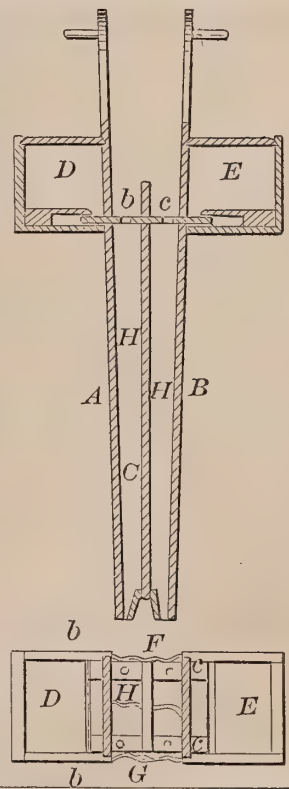


61078—G Macdonald—*For Ginning Cotton.*

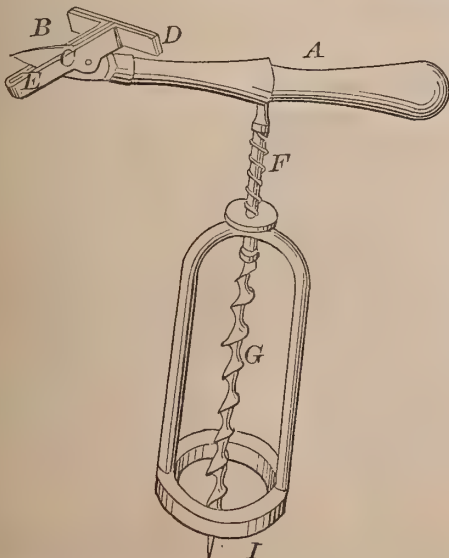


61077—R. O. Lowrey—*Wind Mill.*

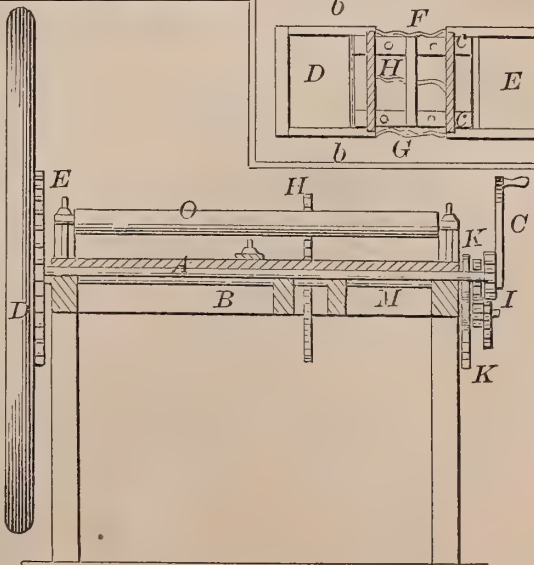
61076—W. C. Lewman—*Corn Planter.*



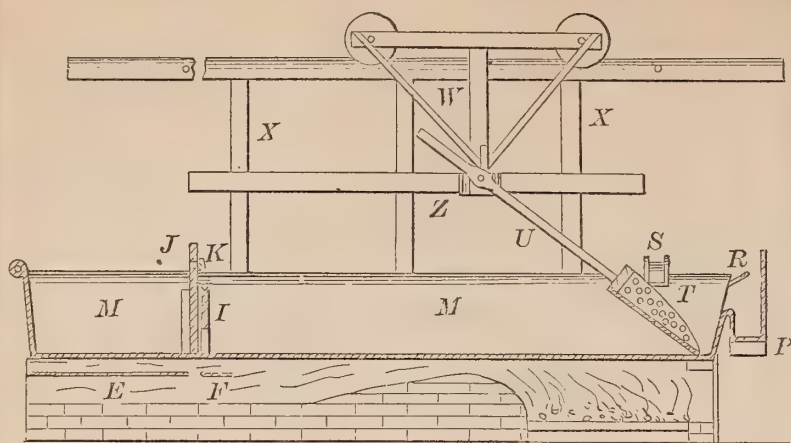
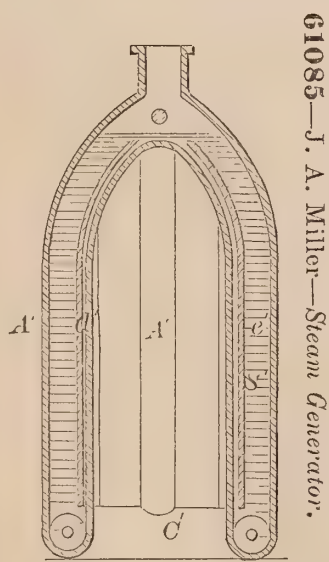
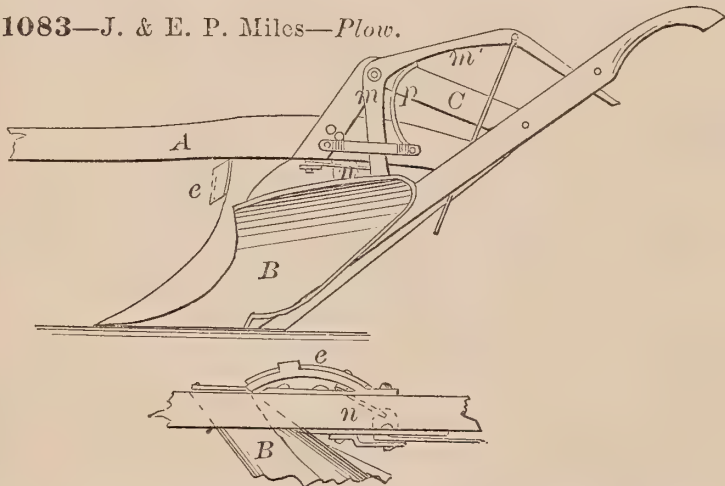
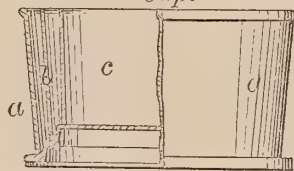
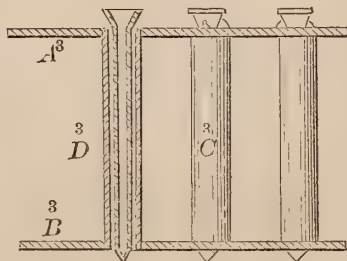
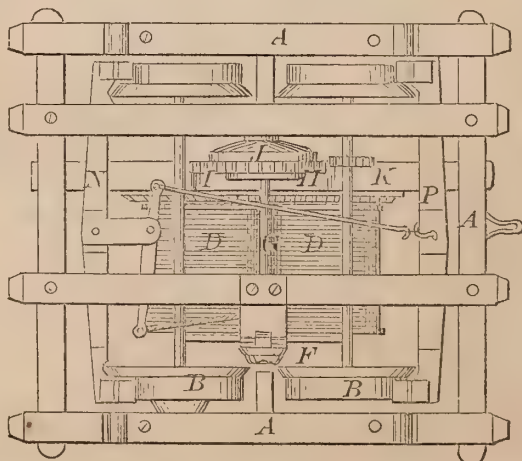
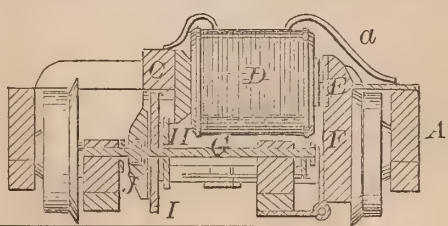
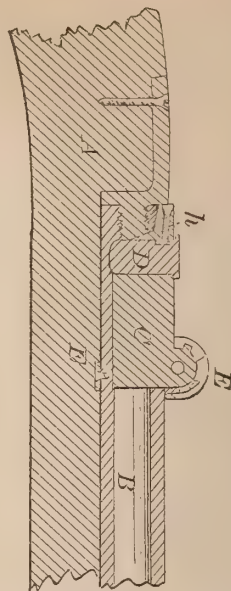
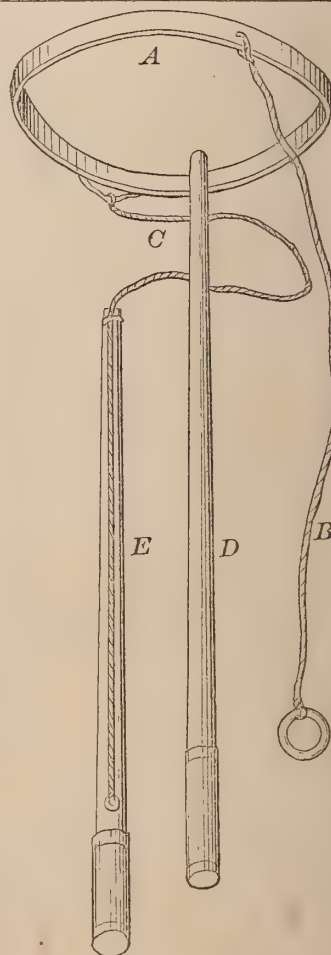
61080—W. C. McGill—*Corb Screw.*



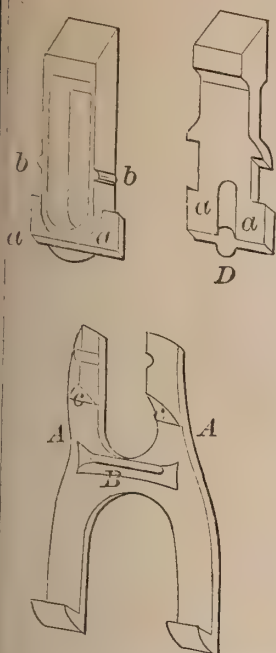
61079—Marston & Huling—*Sawing Machine.*



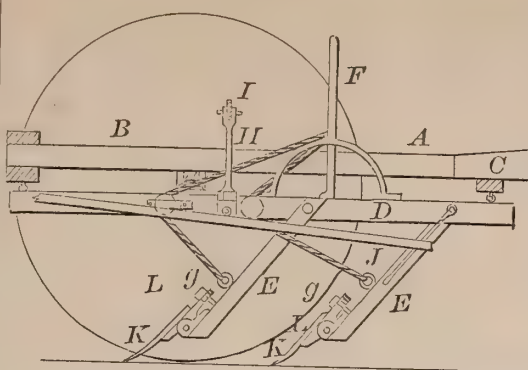


61081—J. A. McKinney—*Evaporator.*61083—J. & E. P. Miles—*Plow.*61085—J. A. Miller—*Steam Generator.*61084—A. Millar—*Drinking Cup.*61086—J. A. Miller—*Steam Generator.*61089—J. Olmstead—*Car Brake.*61088—C. Neumann—*Hoop Skirt.*61082—I. M. Milbank—*Breech-Loading  
Fire Arm.*61087—F. Munson—*Grace Hoop.*

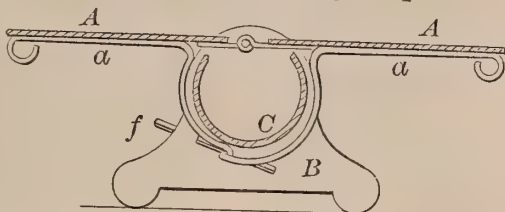
61090—S. Oppenheimer—*Latch Bolt.*



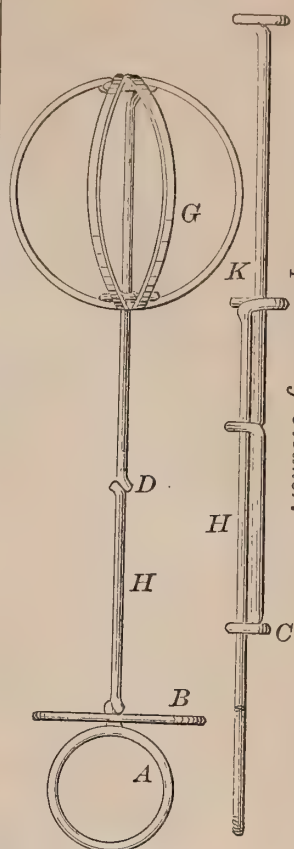
61091—R. B. & J. R. Parks—*Cultivator.*



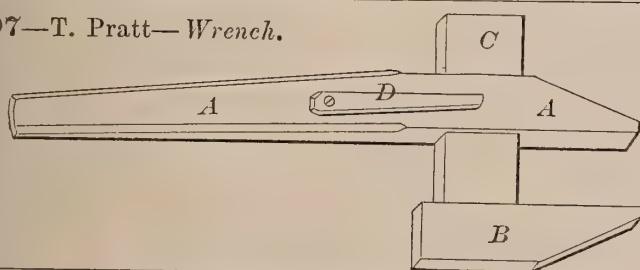
61096—H. H. Potter—*Fly Trap.*



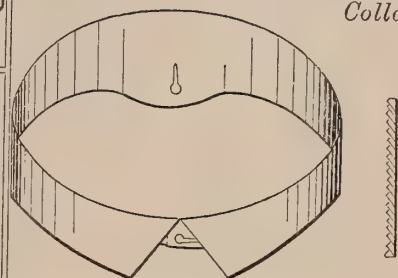
61092—R. Puttin—*Long Chimney Cleaner.*



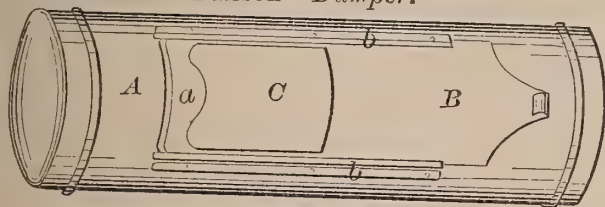
61097—T. Pratt—*Wrench.*



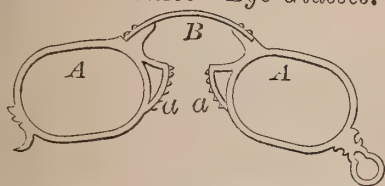
61100—G. W. Ray—*Paper Collar.*



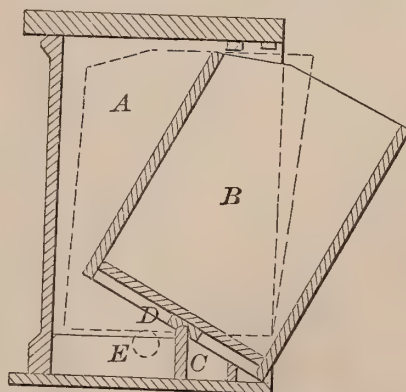
61093—W. W. Paxson—*Damper.*



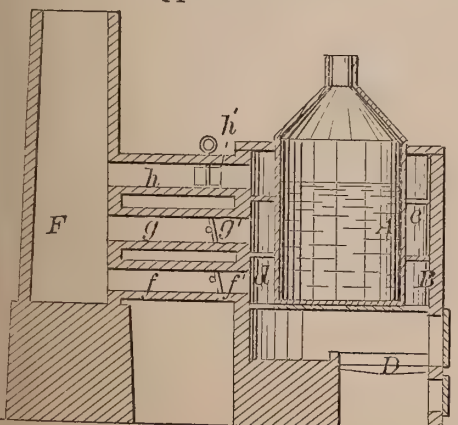
61099—J. Prentice—*Eye Glasses.*



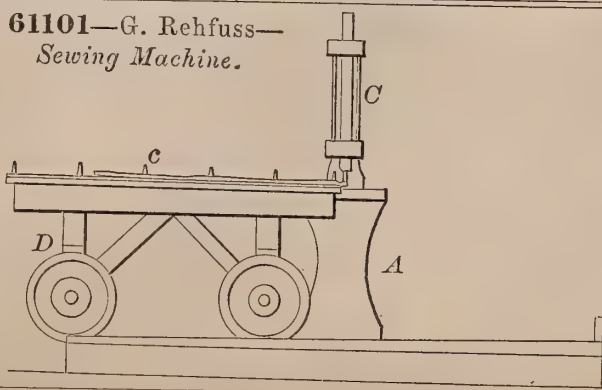
61095—O. I. Porter—*Grain Bin.*



61098—L. Pray—*Distilling Apparatus.*

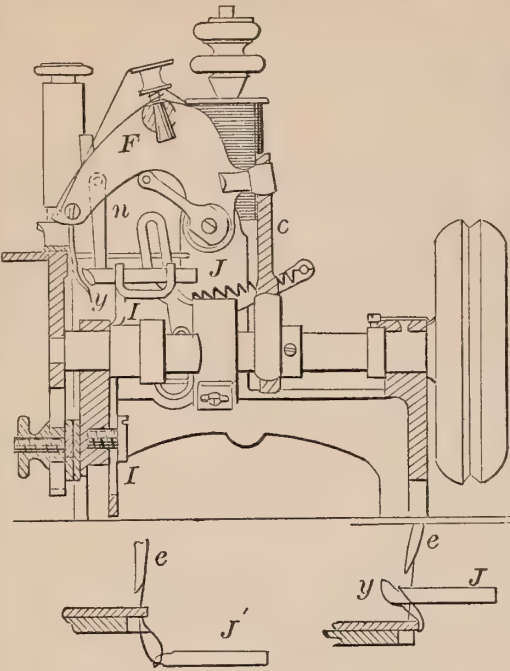


61101—G. Rehfuß—*Sewing Machine.*

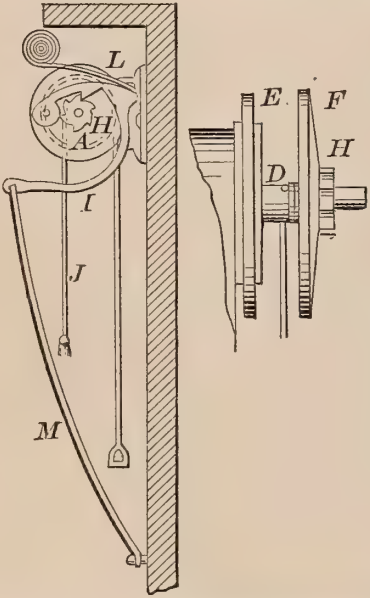
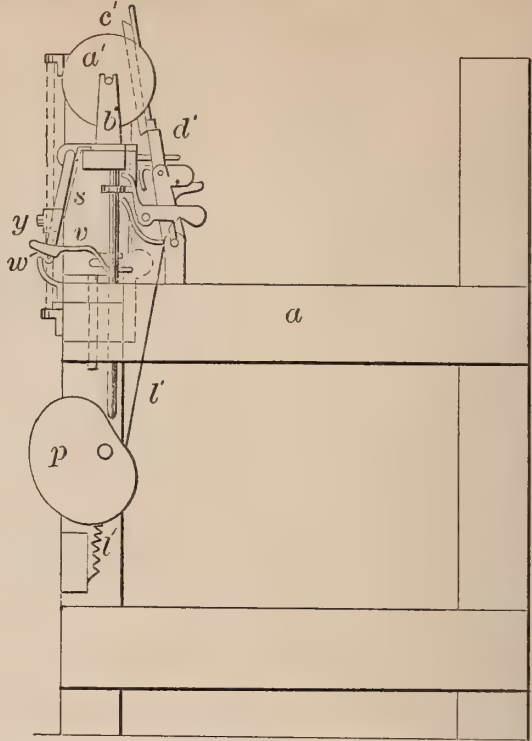




61102—G. Rehfuß—*Sewing Machine.*

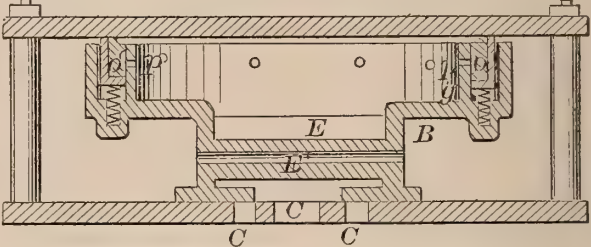


61104—J. Rich—*Spinning Machine.*

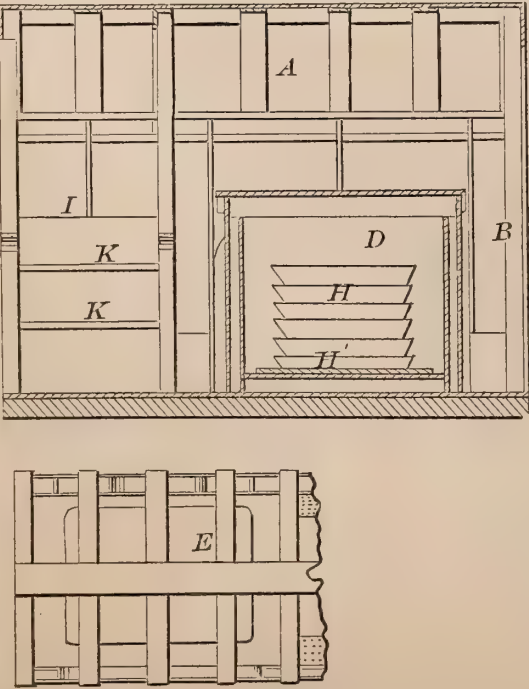


61106—C. Rose—*Curtain Fixture.*

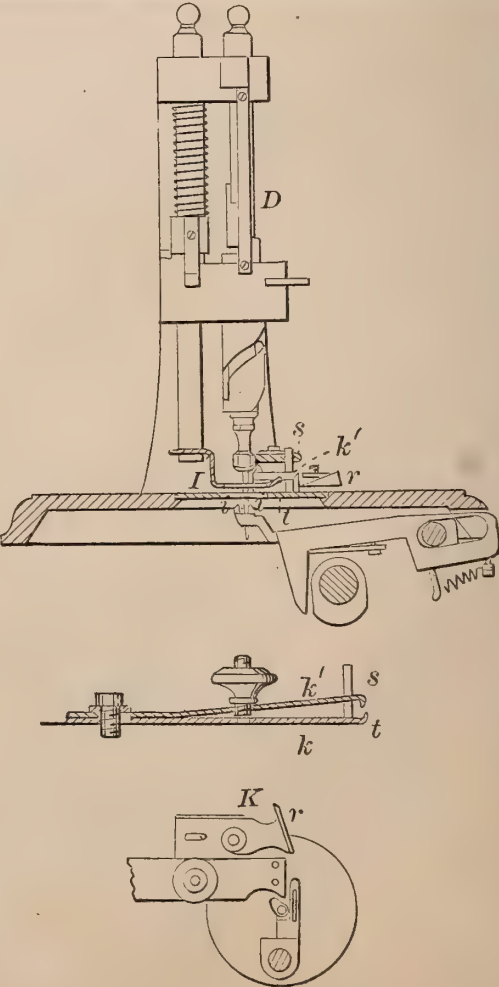
61105—W. B. Robinson—*Slide Valve.*



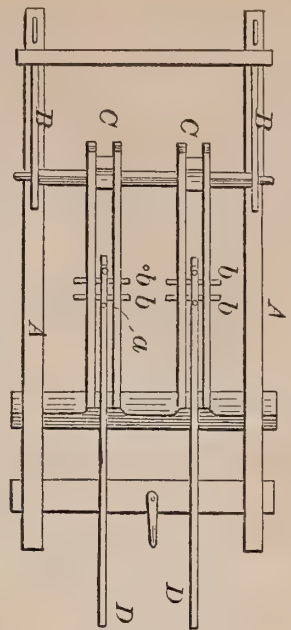
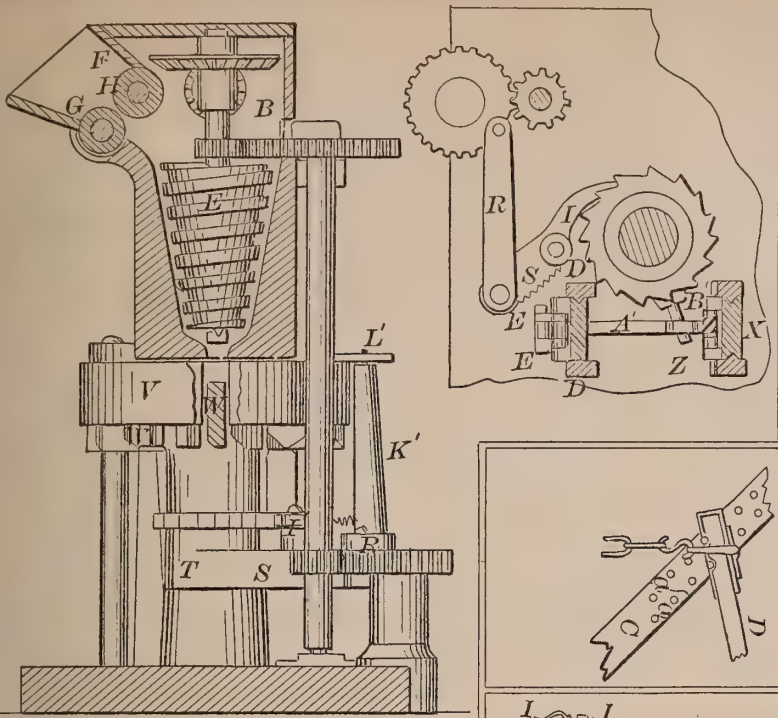
61107—J. S. Ross—*Fruit and Ice House.*



61103—G. Rehfuß—*Sewing Machine.*

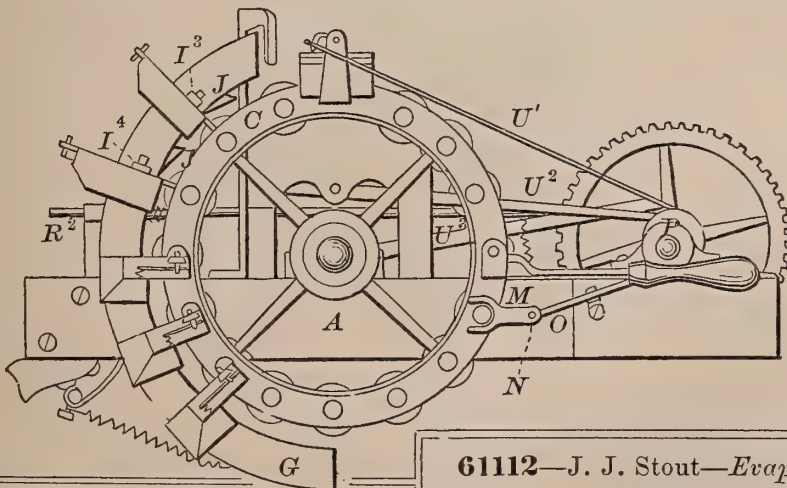
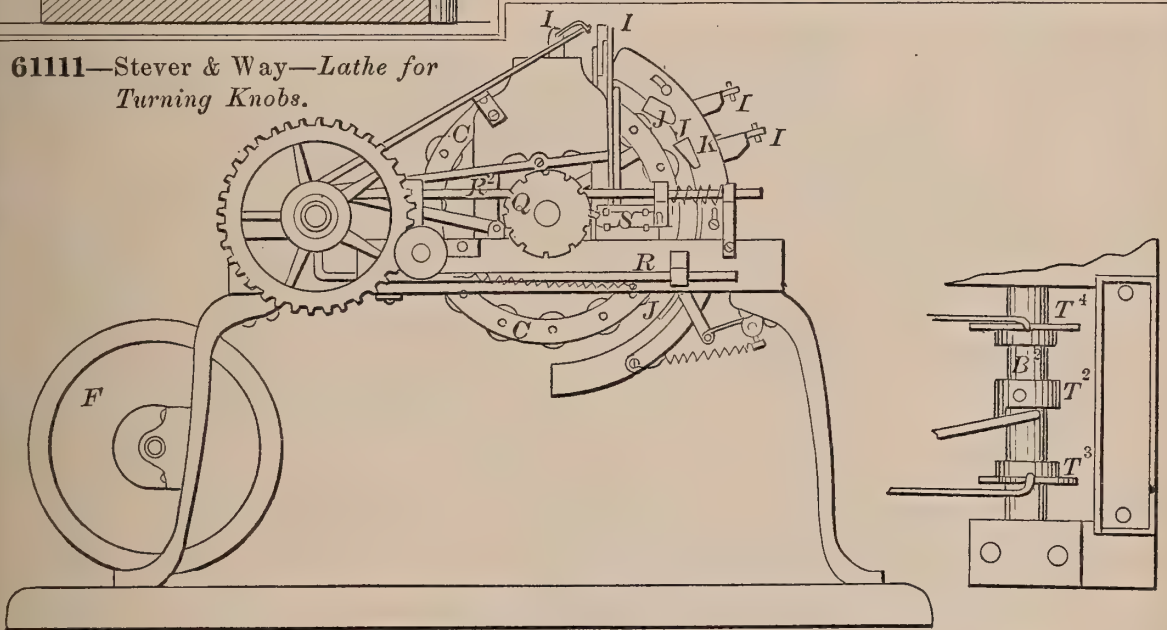


61108—W. A. Shepard—Brick Machine.

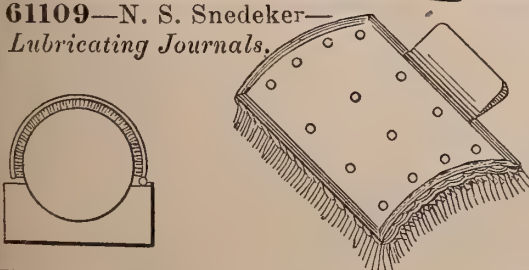


61110—D. Stauffer—Stump Extractor.

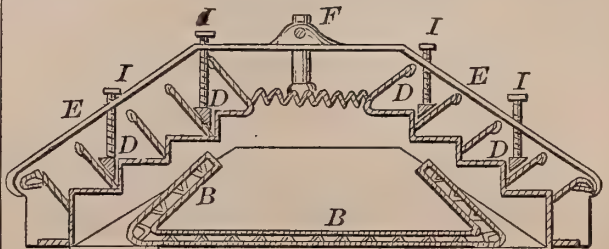
61111—Stever & Way—Lathe for Turning Knobs.



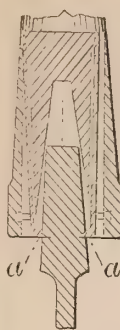
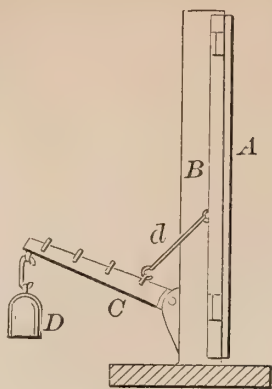
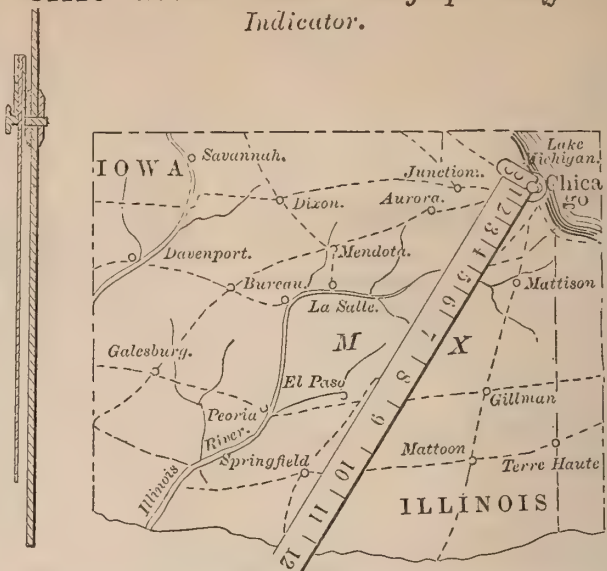
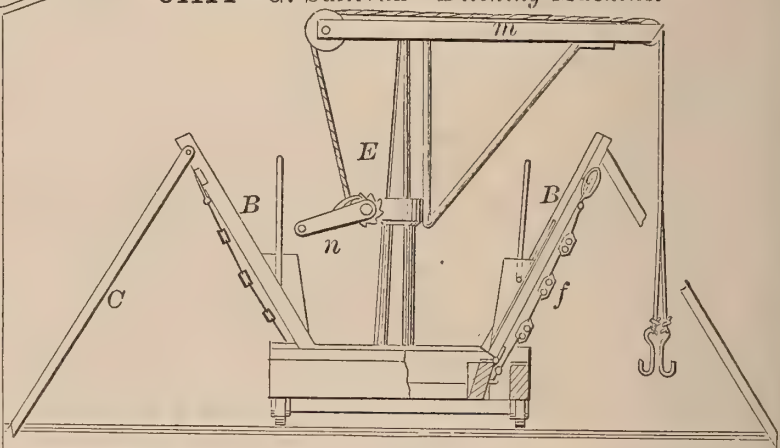
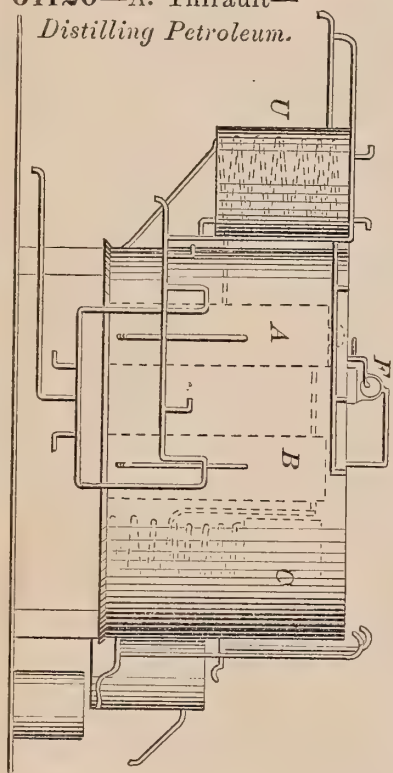
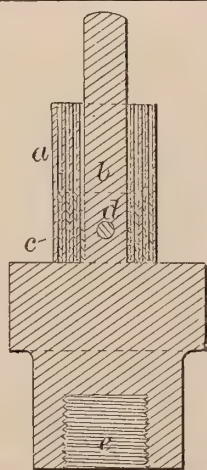
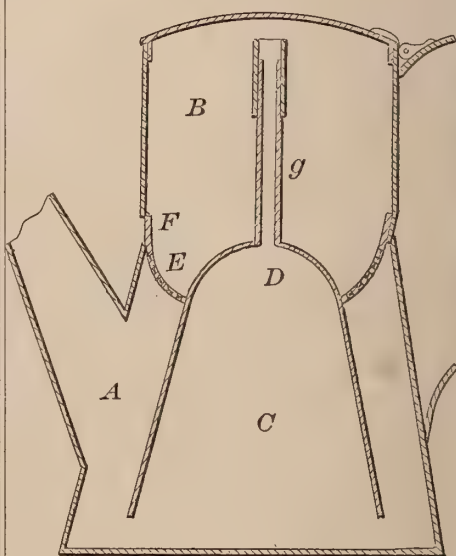
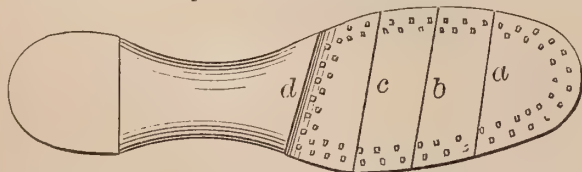
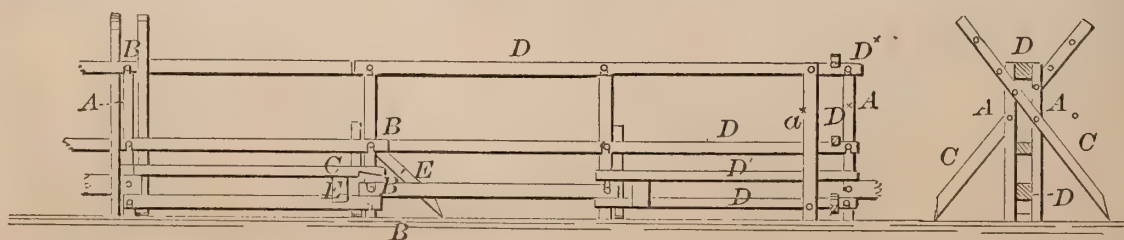
61109—N. S. Snedeker—Lubricating Journals.



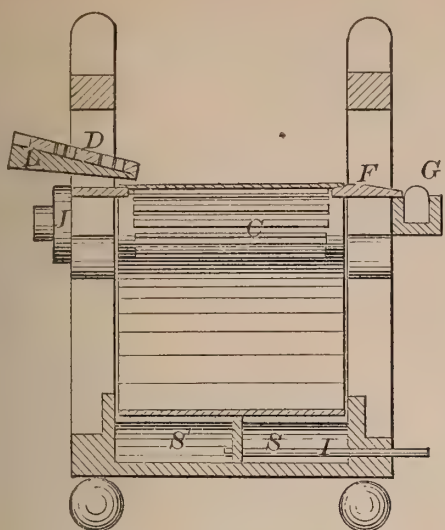
61112—J. J. Stout—Evaporator.



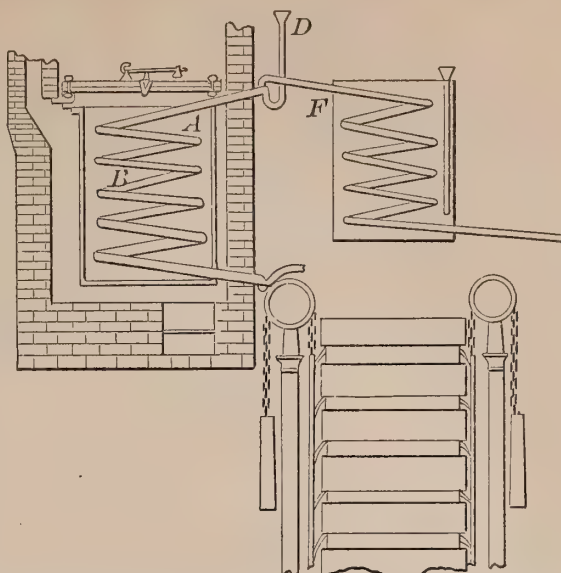


61113—A. W. Streeter—*Bit Stock.*61115—W. W. Sutliff—*Gate.*61116—E. De L. Sweet—*Telegraph Tariff Indicator.*61118—E. Thayer—*Belt Coupling.*61114—G. Sullivan—*Ditching Machine.*61120—A. Thirault—*Distilling Petroleum.*61121—N. Thompson—*Boring Tool.*61122—H. Tilden—*Coffee Pot.*61119—E. Thayer—*Boots and Shoes.*61123—D. Unthank—*Portable Fence.*

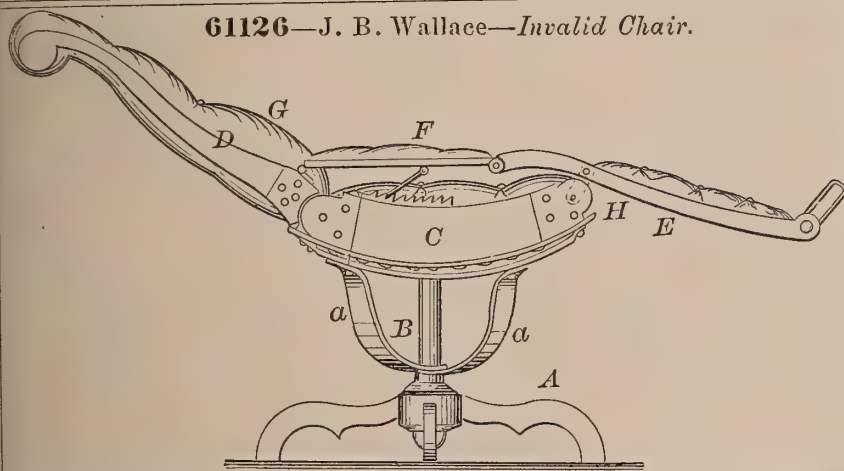
61124—R. Uren—*For Washing Ores.*



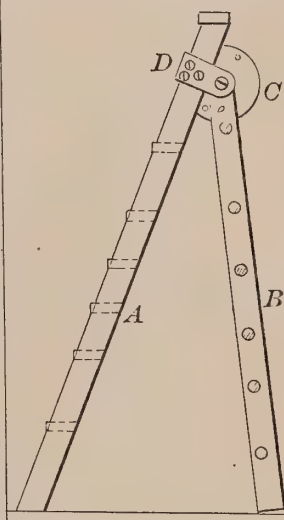
61125—P. H. V. Weyde—*Refining Petroleum, &c.*



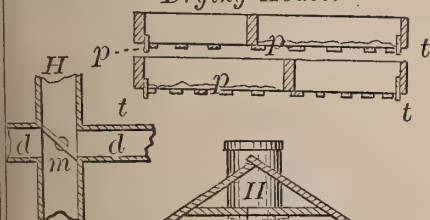
61126—J. B. Wallace—*Invalid Chair.*



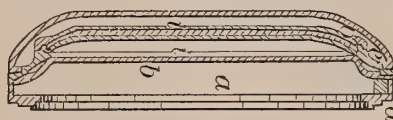
61129—J. F. Winchell—*Fruit Ladder.*



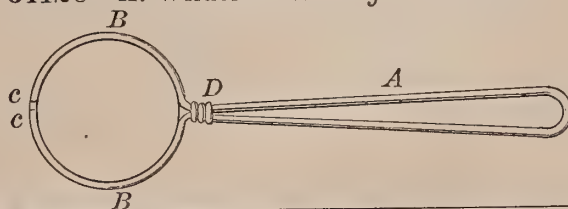
61130—J. F. Winchell—*Fruit Drying House.*



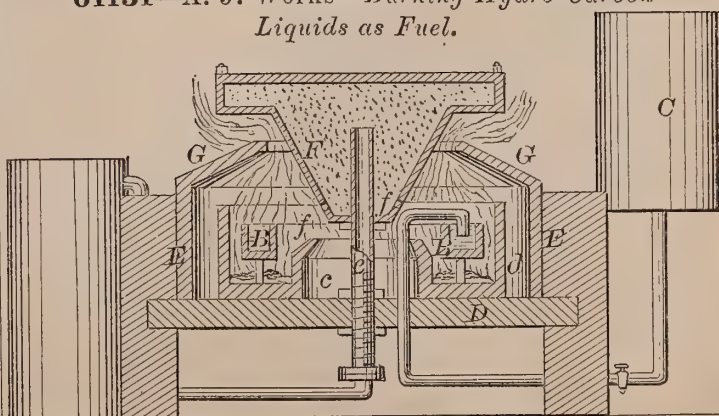
61127—B. J. Warner—*Watch Case.*



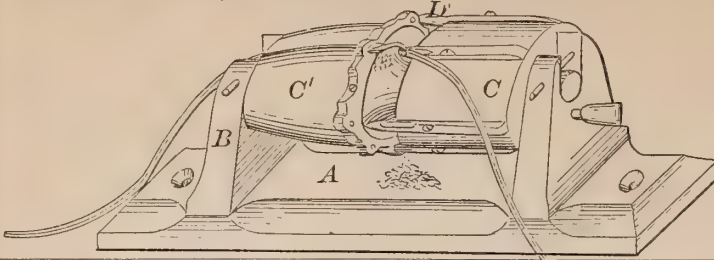
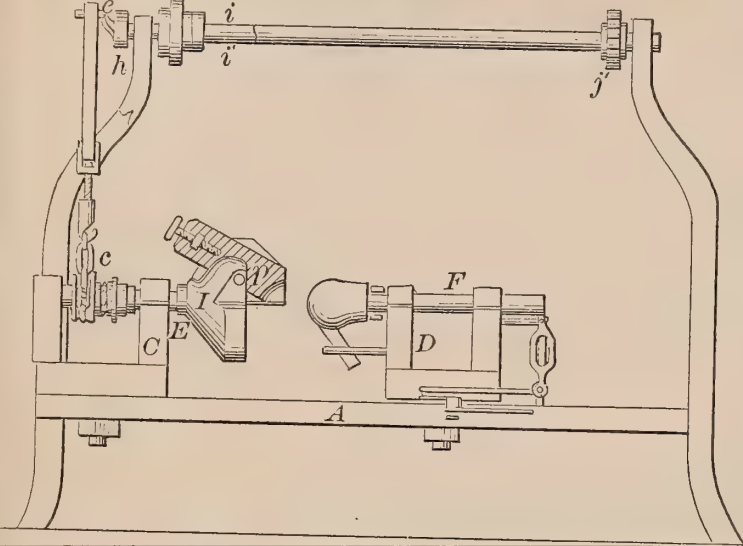
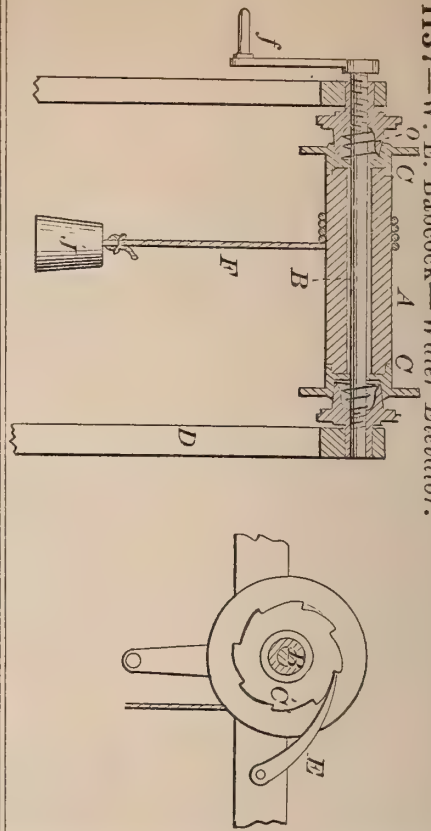
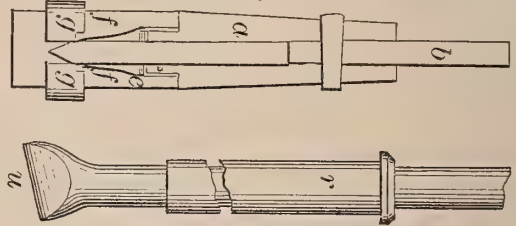
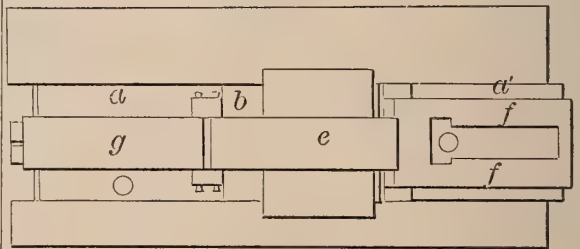
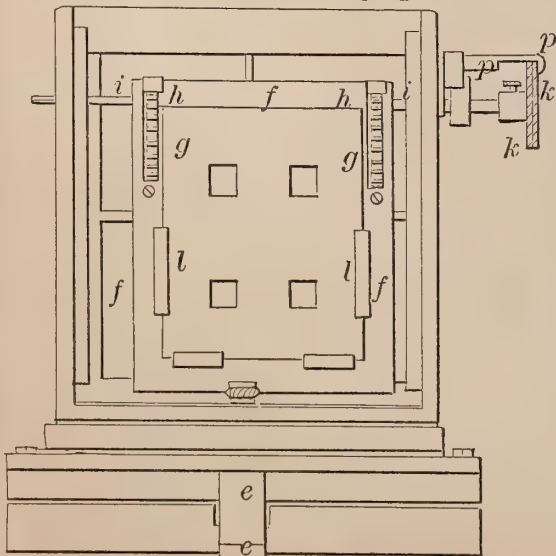
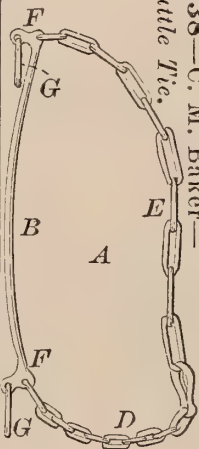
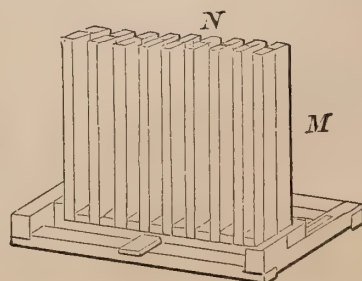
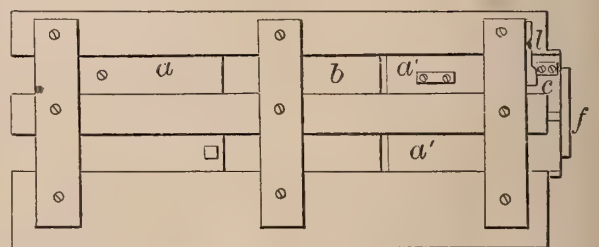
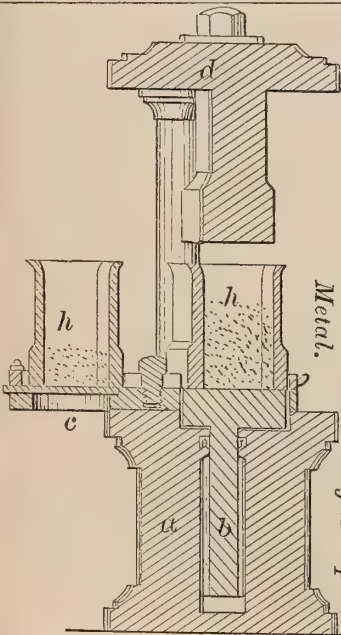
61128—A. Wilder—*Blacking Box Holder.*



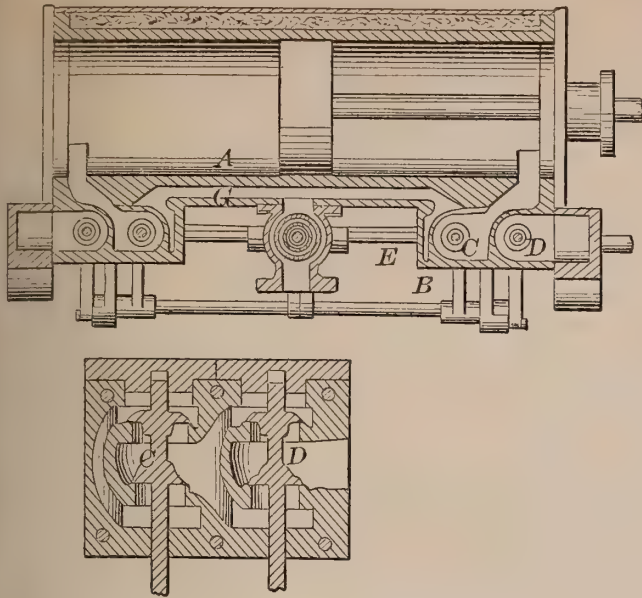
61131—A. J. Works—*Burning Hydro-Carbon Liquids as Fuel.*



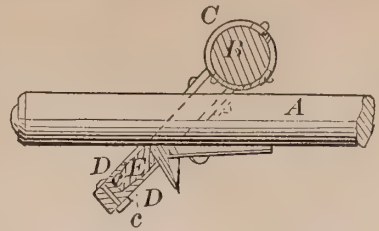


**61132**—J. Yeager—*For Rounding Leather.***61135**—F. A. Armbruster—*Lathe.***61137**—W. E. Babcock—*Water Elevator.***61134**—L. Andrews—*Drill.***61140**—E. L. Barrett—*For Making Envelopes.***61139**—T. Barbour—*Photographic Camera.***61138**—C. M. Baker—*Cattle Tie.***61136**—L. J. Atwood—*For Binding Scrap Metal.*

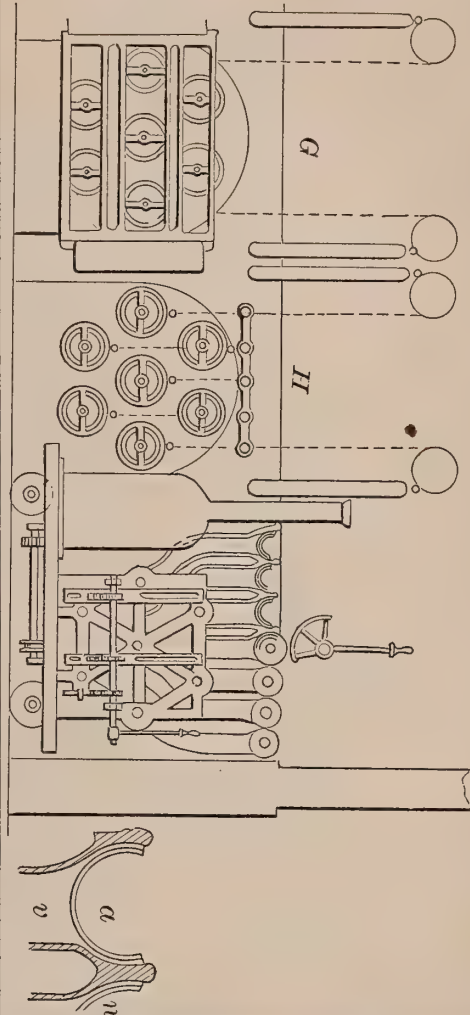
61141—L. D. Bartlett—*Steam Engine Valve.*



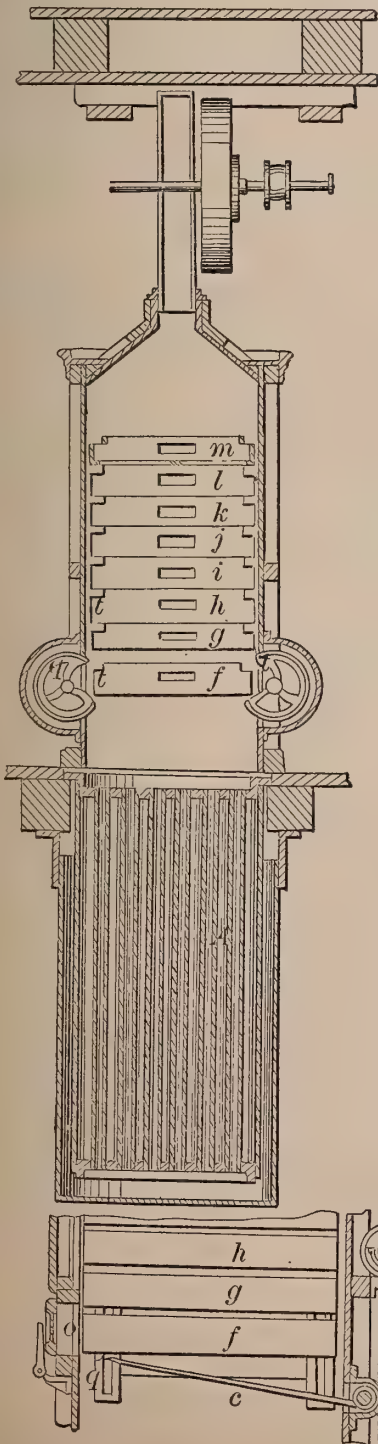
61142—A. Benedict—*Neck Yoke.*



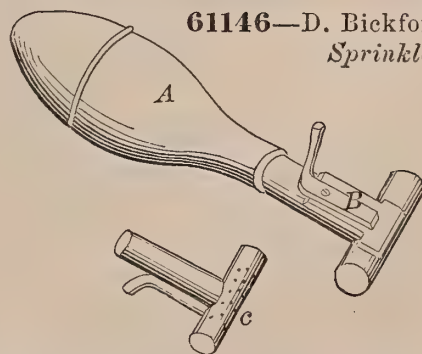
61144—Best & Holden—*For Charging and Drawing Gas Retorts, &c.*



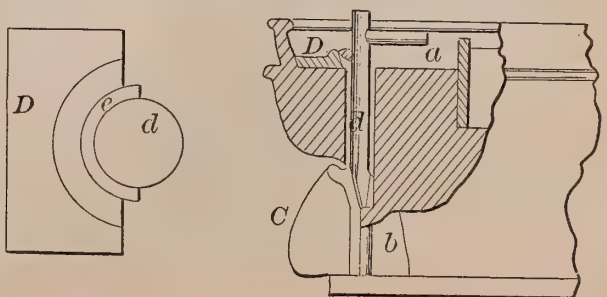
61145—C. Ben.—*Wool Dryer.*



61146—D. Bickford—*Clothes Sprinkler.*

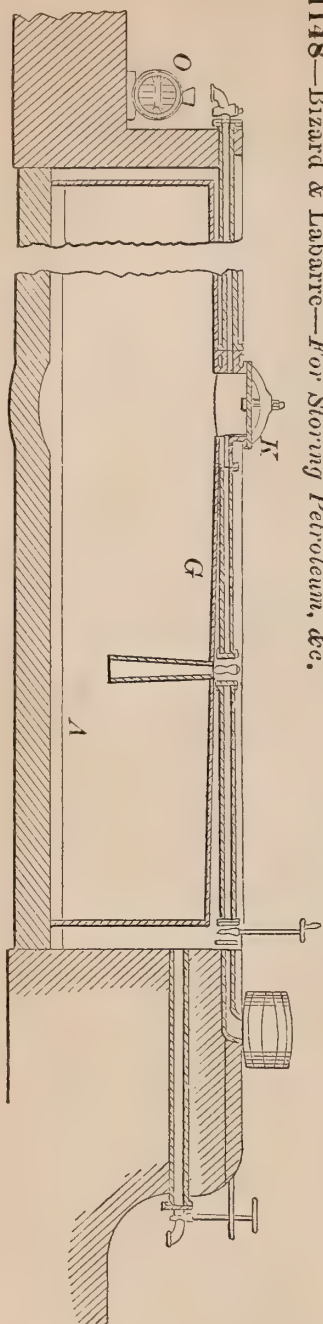


61147—J. N. Bitting, Sr.—*Rudder Bearing.*

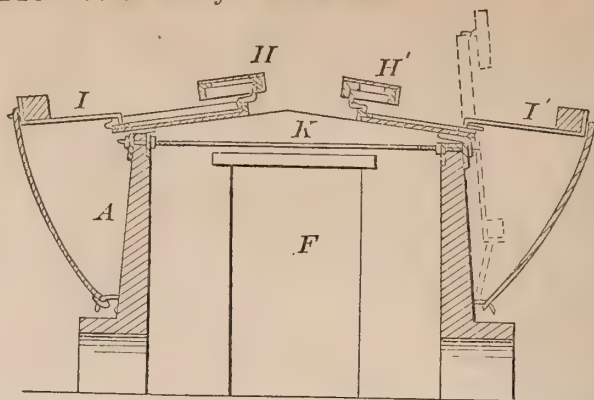




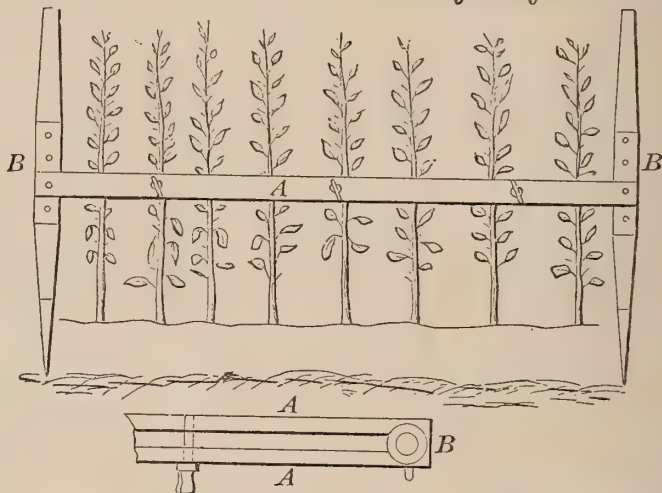
61148—Bizard &amp; Labarre—For Storing Petroleum, &amp;c.



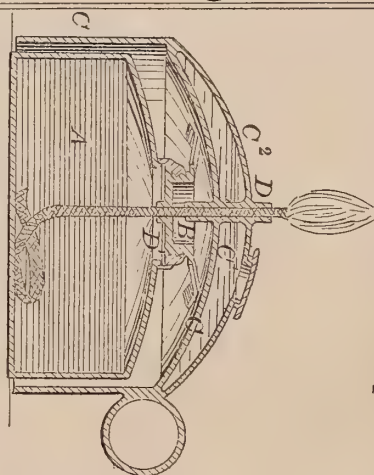
61149—G. C. Bovey—Brick Kiln.



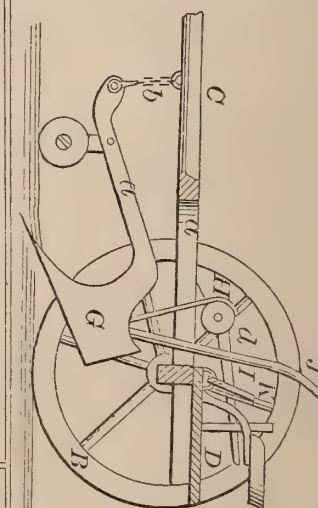
61150—C. D. Brown—For Planting Hedges.



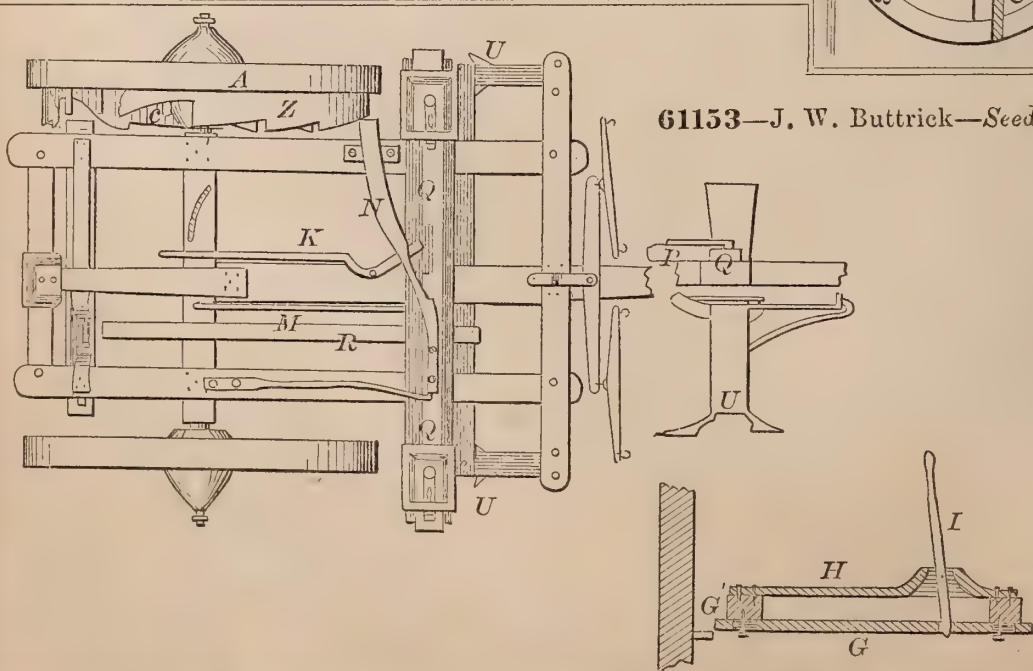
61152—F. Burrows—Lump.



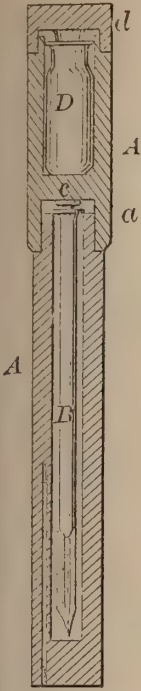
61151—Burket &amp; Gaskill—Sowing Plow.



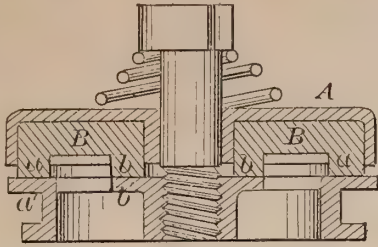
61153—J. W. Buttrick—Seed Planter.



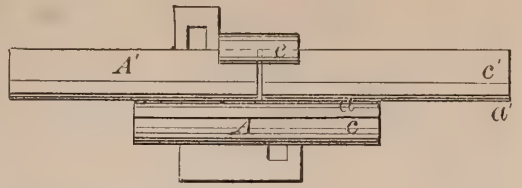
61154—A. G. Buzby—Pen and Ink Case.



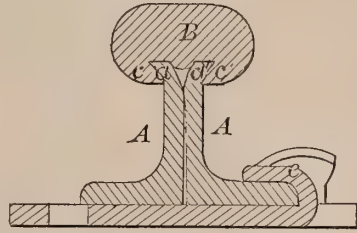
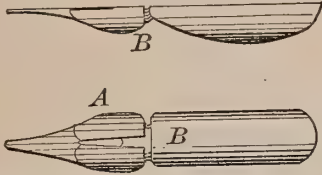
61155—A. S. Cameron—Pump Valve.



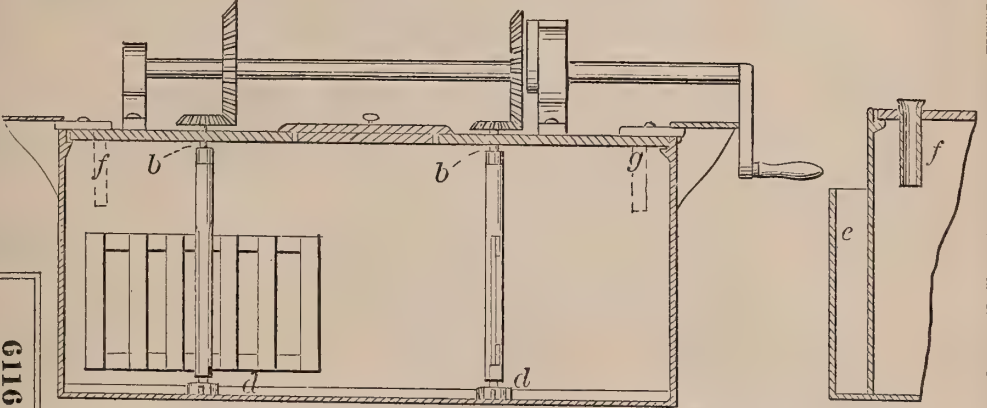
61158—R. Chambers—Railroad Rail.



61156—R. M. & D. Cameron—Pen.



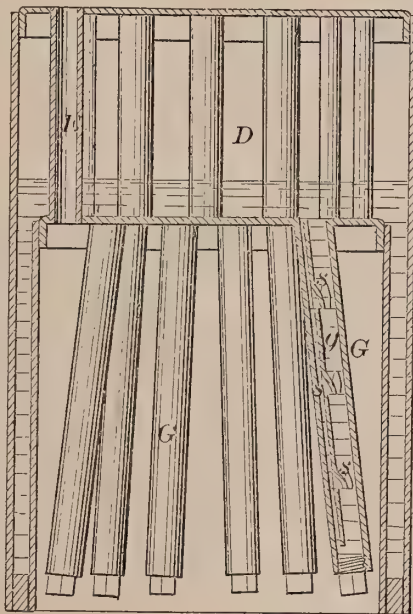
61160—J. M. Chritton—Churn.



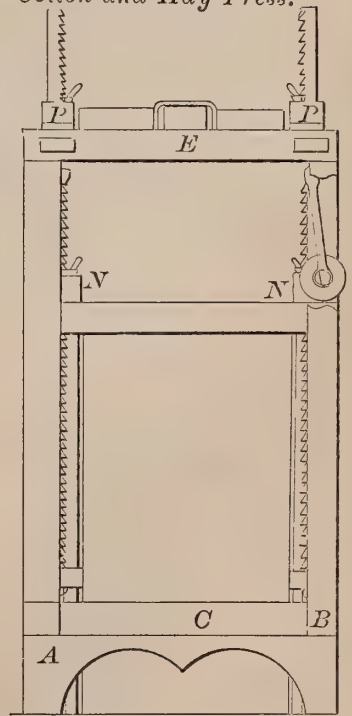
61161—S. O. Church—Can Opener.



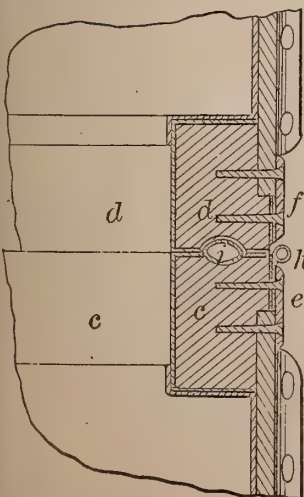
61162—M. R. Clapp—Steam Generator.



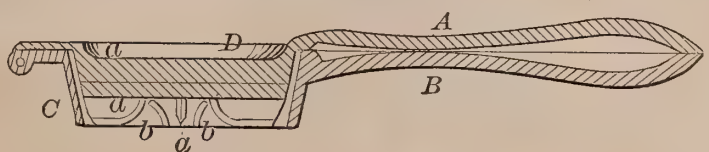
61159—N. Chapman—Cotton and Hay Press.



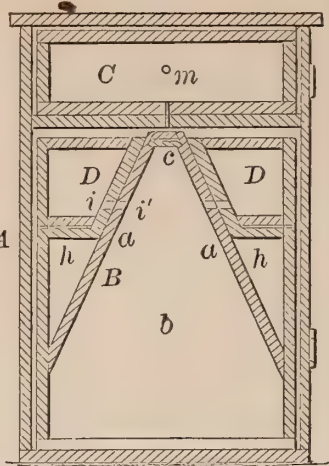
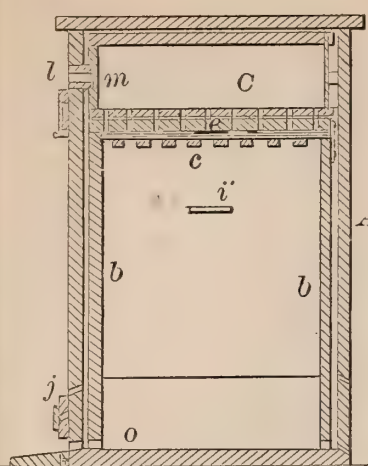
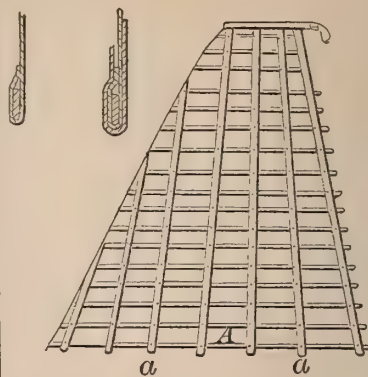
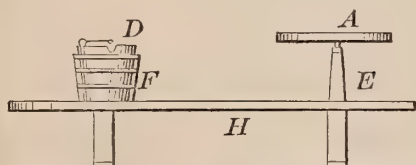
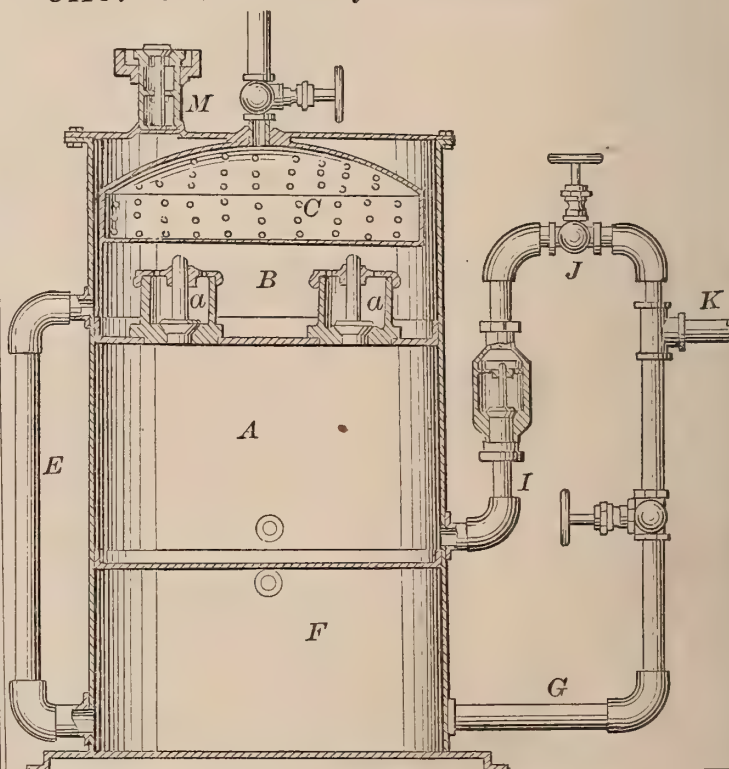
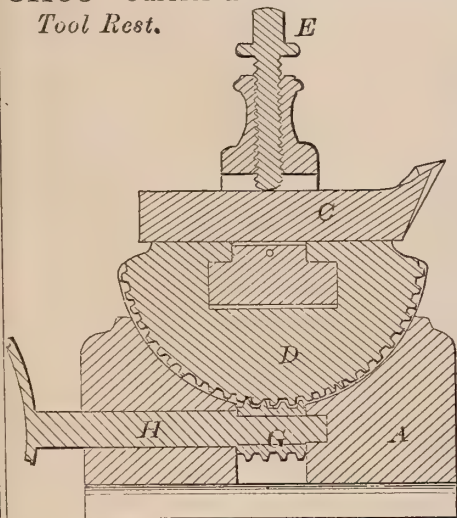
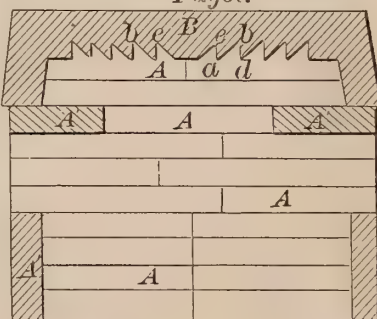
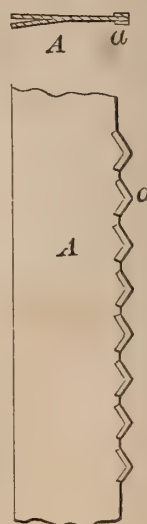
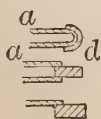
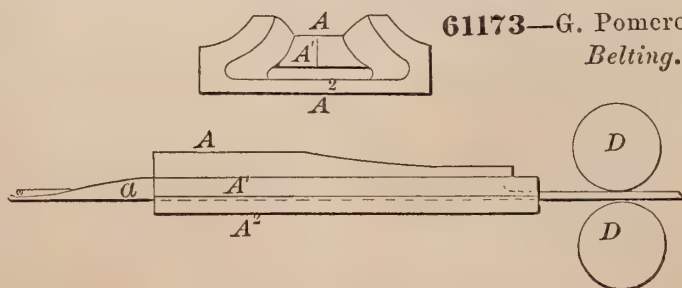
61157—L. Cantel—Trunk.



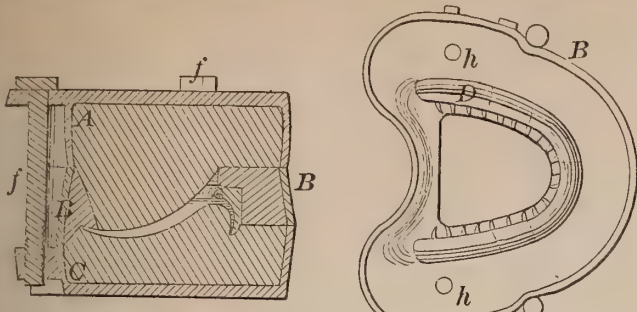
61163—Clarke & Reece—Cracker Crusher.



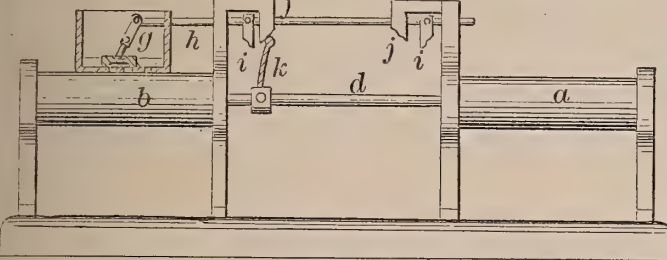


61164—O. Colvin—*Beehive.*61169—T. B. De Forest—*Hoop Skirt.*61165—D. Connor—*Milking Stool.*61167—J. V. F. Datchy—*Jet Condenser.*61166—Currier & Black—*Lathe Tool Rest.*61168—H. Davis—*Railroad Rail Fagot.*61171—T. B. De Forest—*Skirt Binding.*61172—T. B. De Forest—*Skirt Binding.*61170—T. B. De Forest—*Hoop Skirt.*61173—G. Pomeroy—*Rubber Belting.*

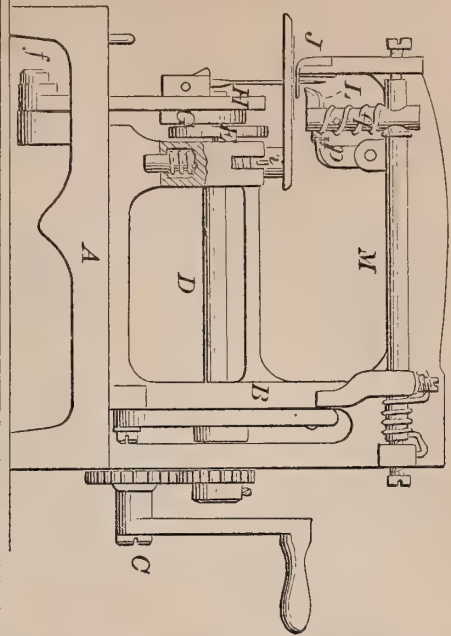
61174—L. W. Dowlin—*Dentist's Vulcanizing Flask.*



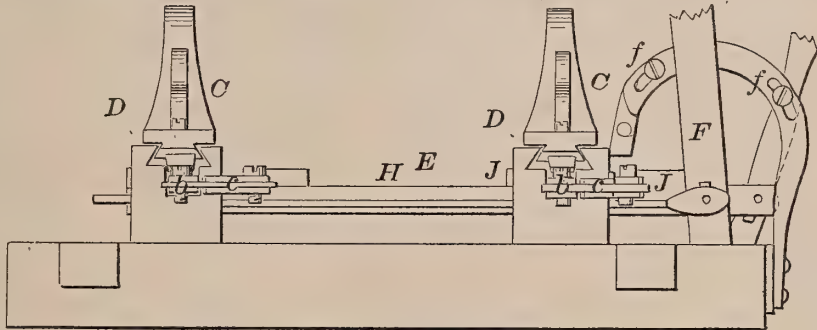
61175—G. Doyle—*Steam Pump Valve Gear.*



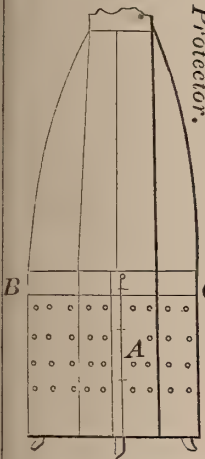
61176—J. C. Driggs—*Sewing Machine.*



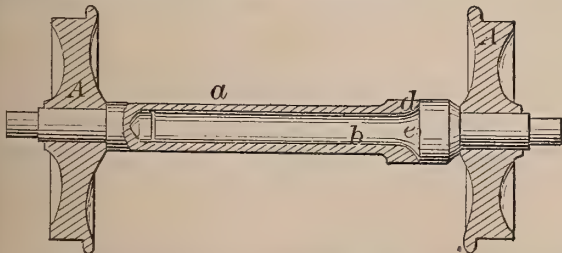
61178—J. W. & W. Ebert—*Head Block for Saw Mills.*



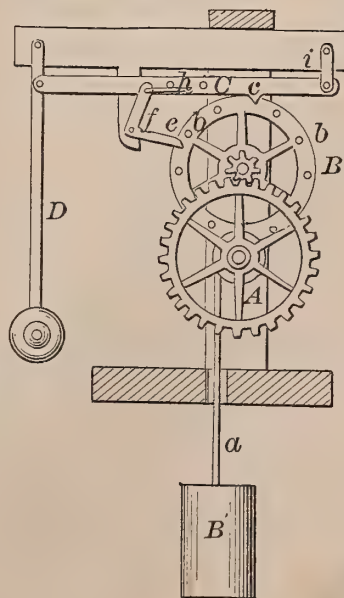
61177—G. W. Duddar—*Tree Protector.*



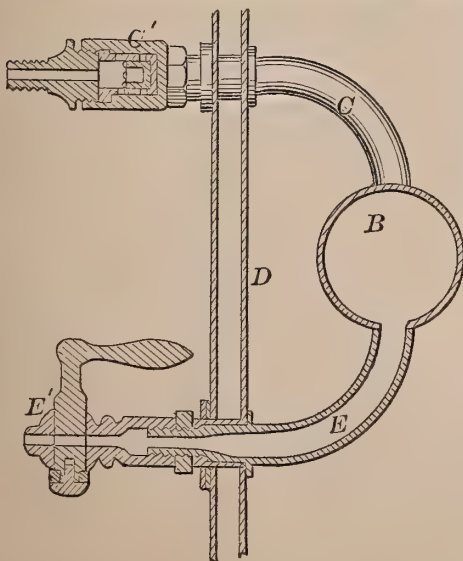
61180—A. E. Elmer—*Car Axle.*



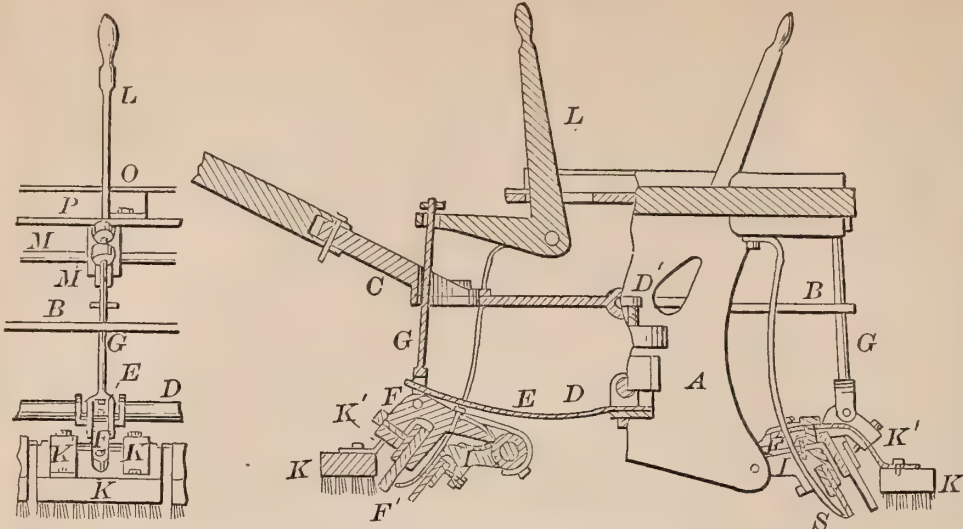
61179—A. Eckert—*Converting Motion.*



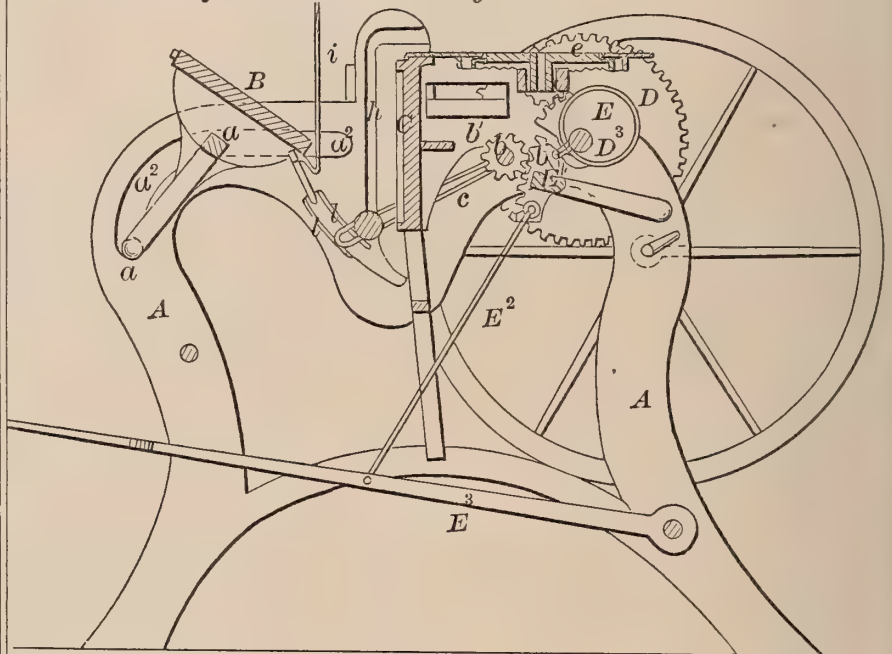
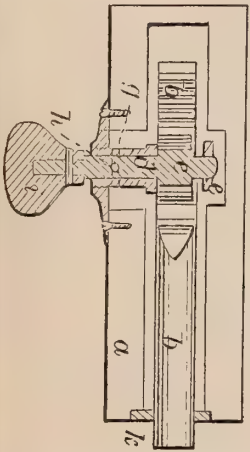
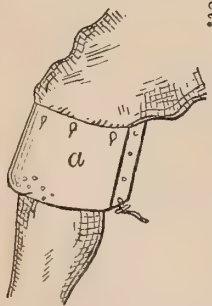
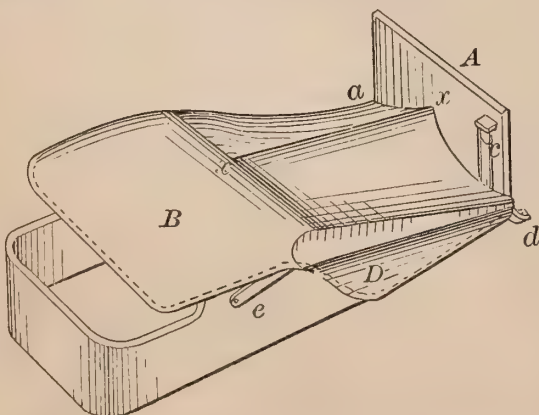
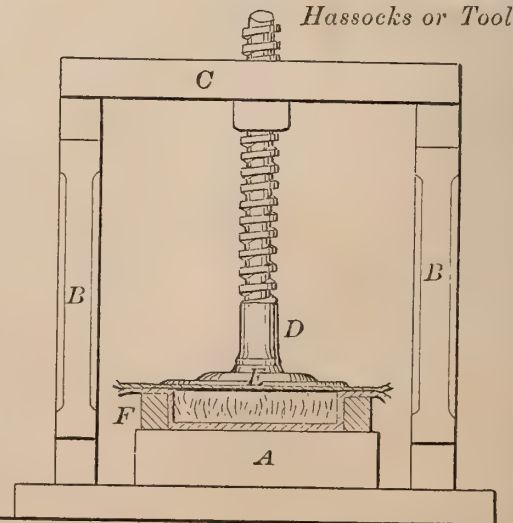
61181—Fish & Hartman—*Steam Generator.*



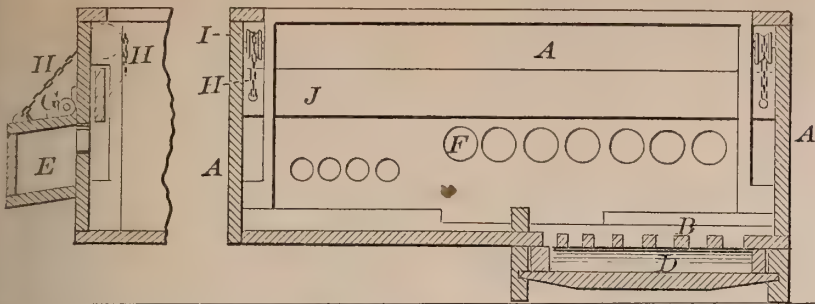


61182—Fitzhenry & Ball—For *Finishing Leather.*

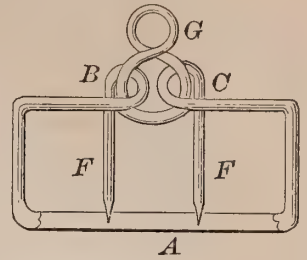
61184—L. D. Ford—Attaching Roofing to Buildings.

61186—Frey & Heckert—*Printing Press.*61185—B. E. Fowler—*Door Bolt.*61187—E. P. Furlong—*Pantulet.*61188—P. T. Gates—*Carriage Boot.*61183—J. G. Flagg—For *Forming Hassocks or Tools.*

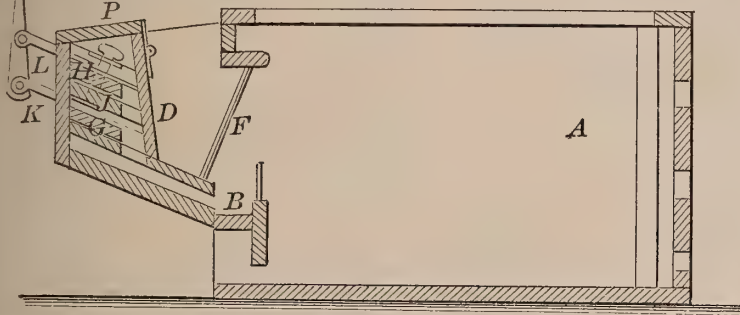
61189—B. Gifford—Hog Pen.



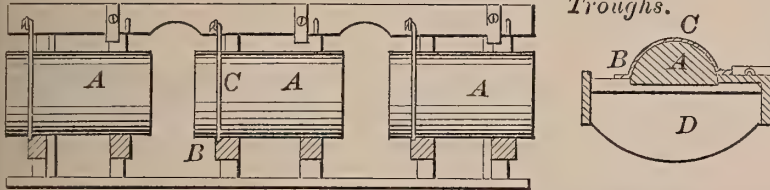
61192—J. B. Hawley—Buckle.



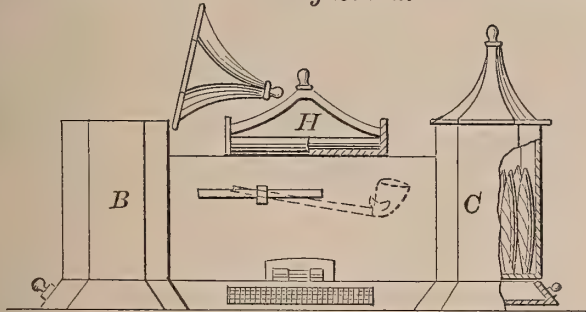
61190—B. Gifford—Sheep Pen.



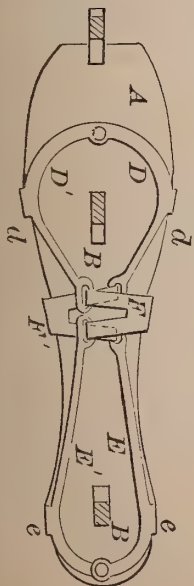
61191—Hatten & Angleberger—For Soldering Eaves Troughs.



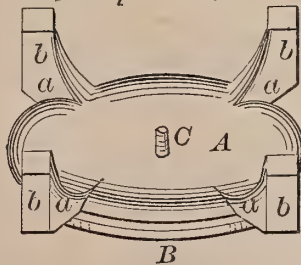
61197—J. Holmes—Smoking Stand.



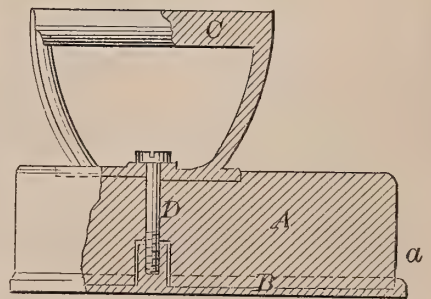
61193—W. W. Hendricks—Skate.



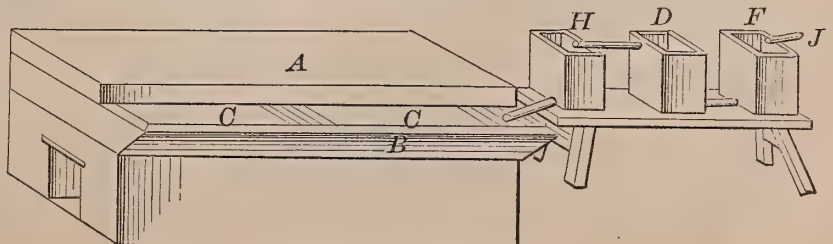
61199—W. D. Hooker—Pump Valve.



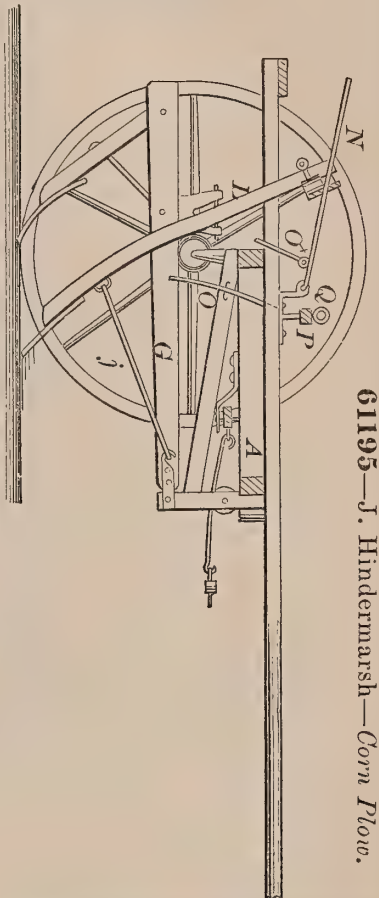
61198—P. B. Hood—Sad Iron.



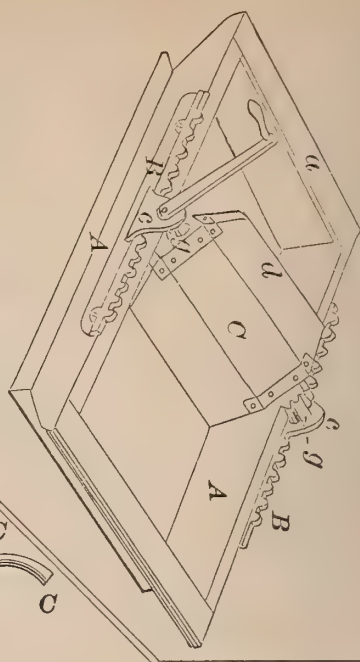
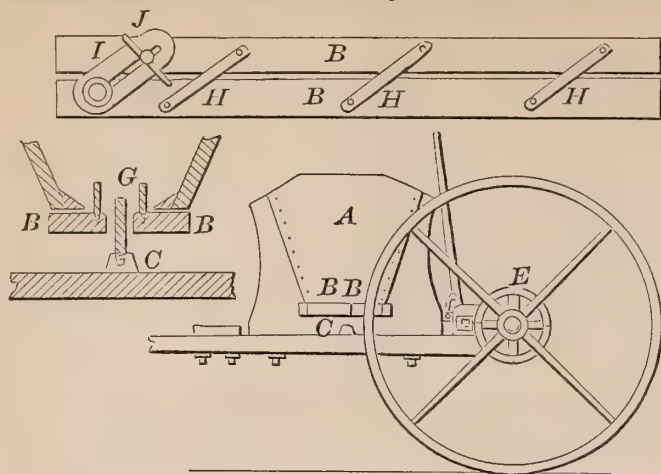
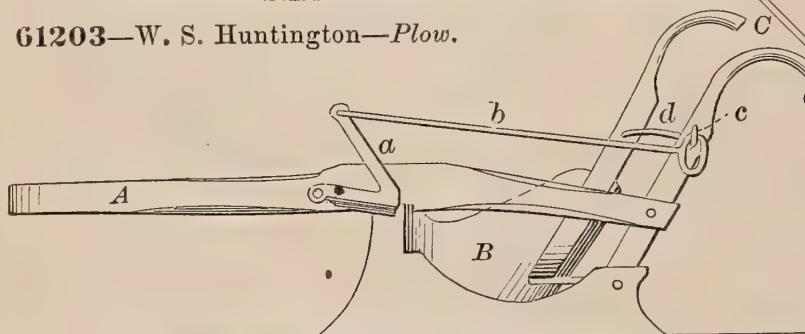
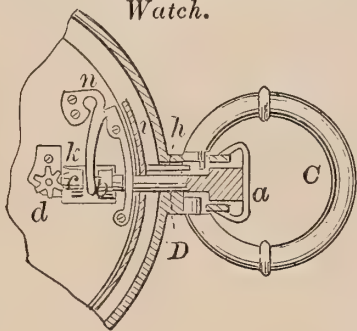
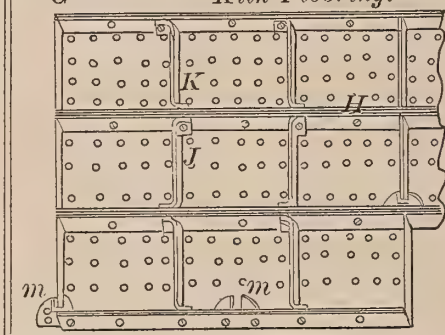
61200—J. R. Hopkins—Filtering, &c., of Saccharine Liquids.



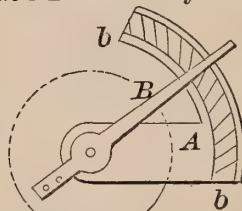
61195—J. Hindermarsh—Corn Plow.





61201—B. F. Horton—*Seeding Machine.*61206—H. P. Jones—*Dough Kneader.*61203—W. S. Huntington—*Plow.*61207—J. Jürgensen—*Stem Setting Watch.*61202—Hughes & Adams—*Malt Kiln Flooring.*

61204—J. L. Hyde—



Watch Regulator.

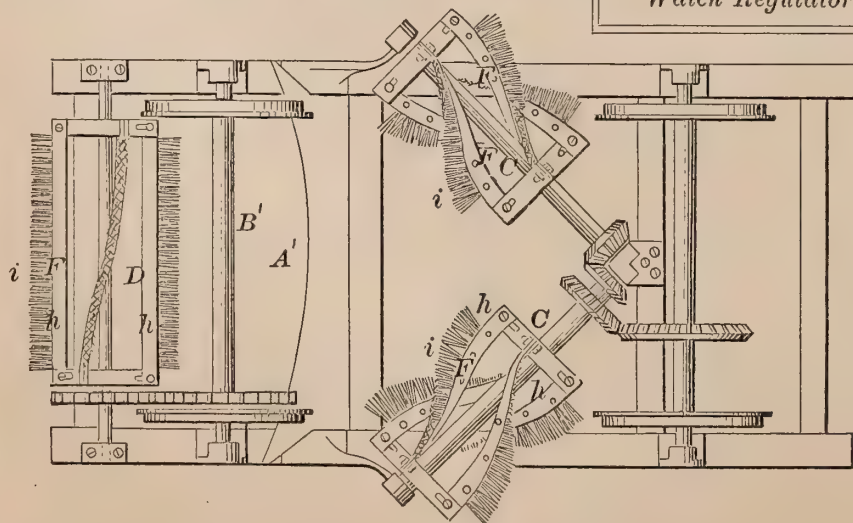
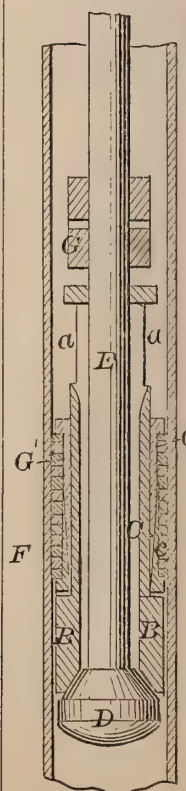
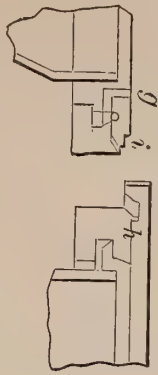
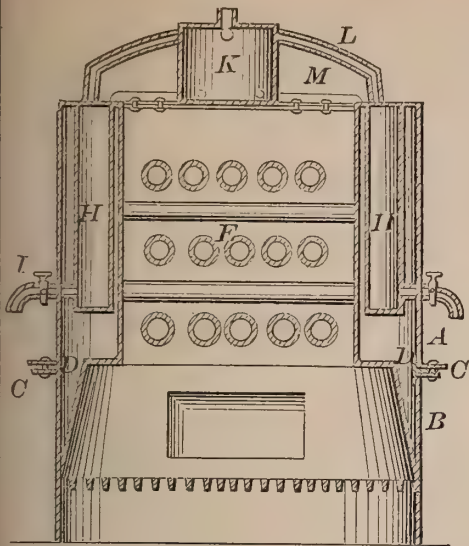
61205—A. S. Jimmerson—*Sweeping Machine.*

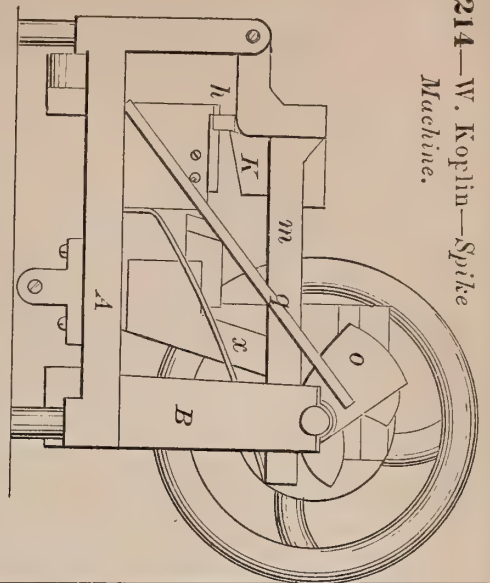
Fig. 2

61208—A. C. Kasson—*Auger.*61209—W. S. Kelly—*Pump.*

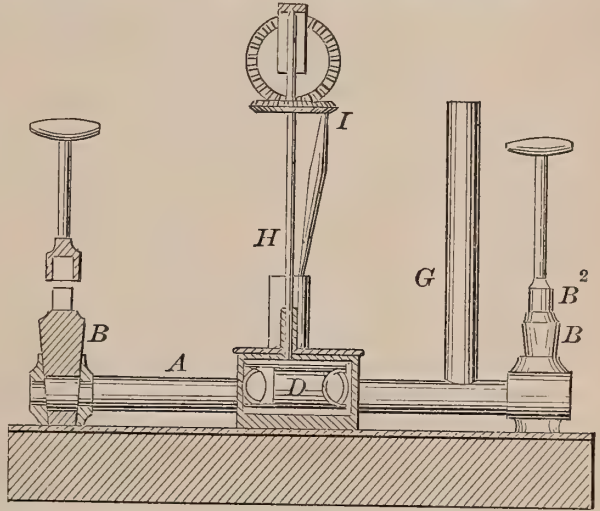
**61210**—M. C. Kilgore—*Steam Generator.*



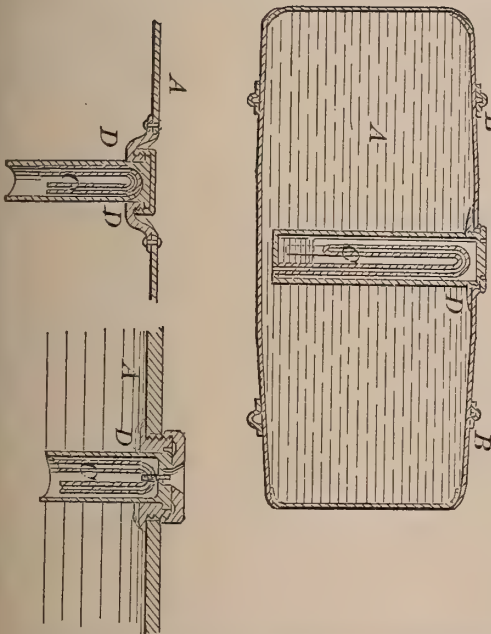
**61214**—W. Koplin—*Spike Machine.*



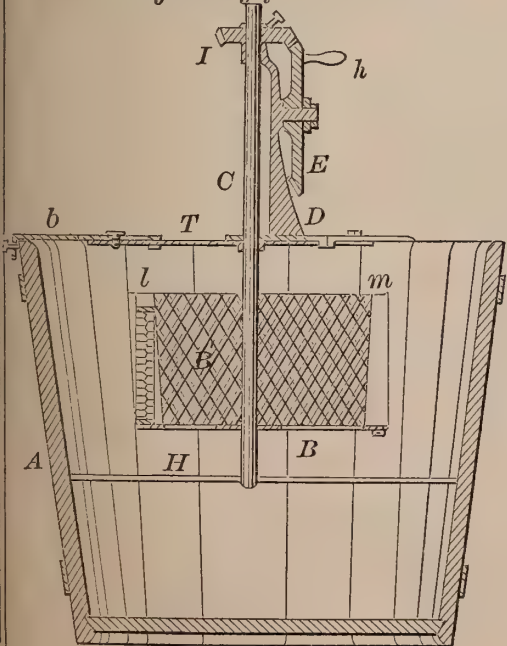
**61211**—W. P. Kirkland—*Marine Motor.*



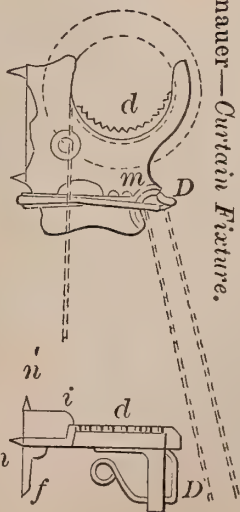
**61213**—E. H. Knight—*Oil Tank, &c.*



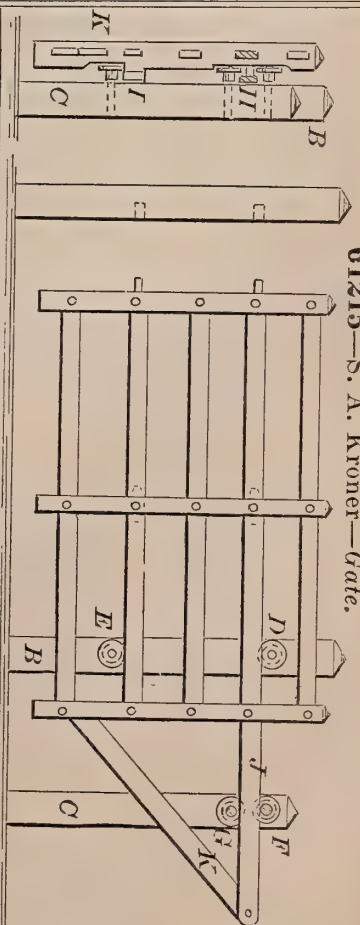
**61216**—Langstroth & Wagner—*For Extracting Honey from the Comb.*



**61212**—C. F. Knauer—*Curtain Fixture.*

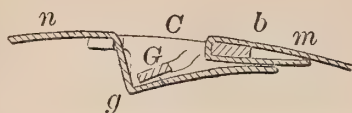
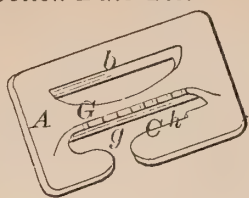


**61215**—S. A. Kroner—*Gate.*

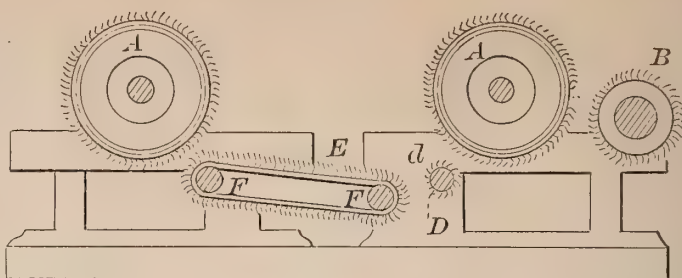




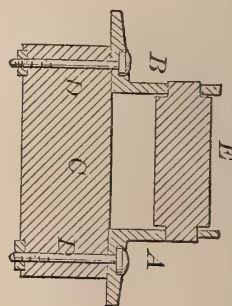
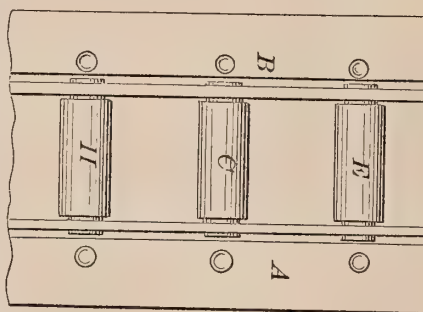
**61217**—R. G. Lattling—*Cotton Bale Tie.*



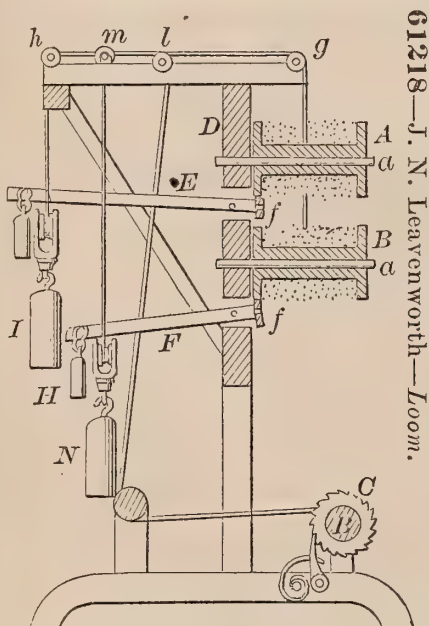
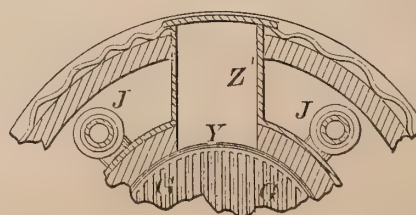
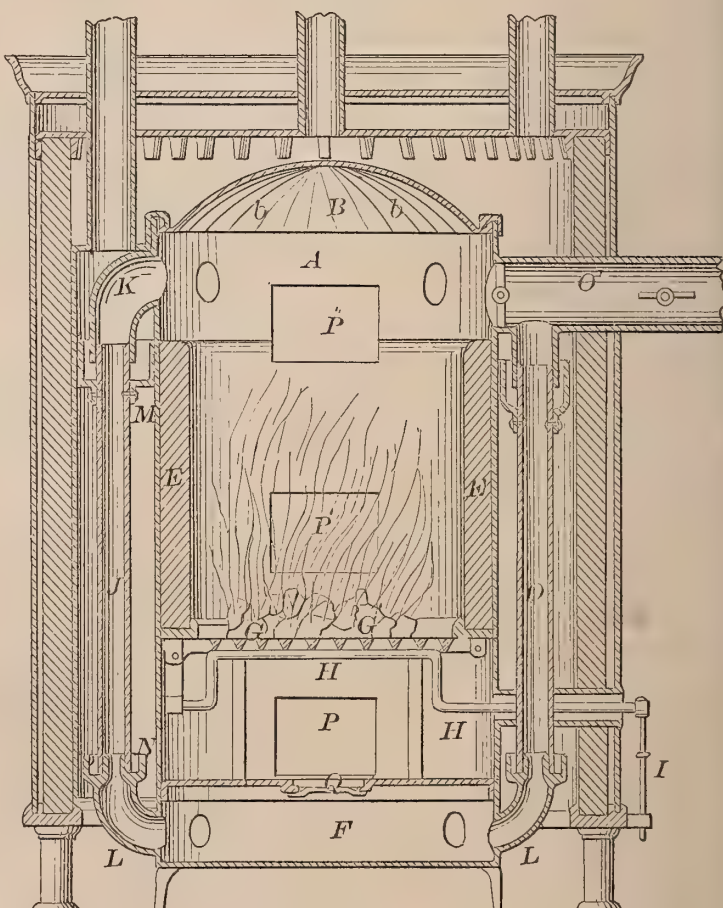
**61219**—R. W. Lewis—*Carding Machine.*



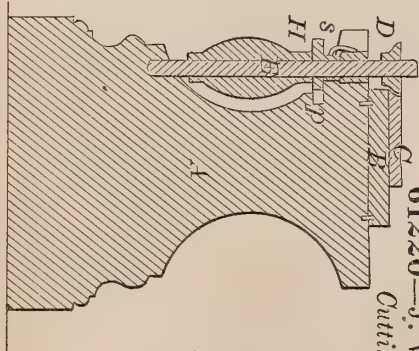
**61221**—S. Marsh—*Railroad Cog Rail.*



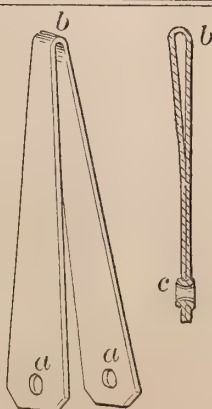
**61223**—P. Martin—*Hot Air Furnace.*



**61218**—J. N. Leavenworth—*Loom.*

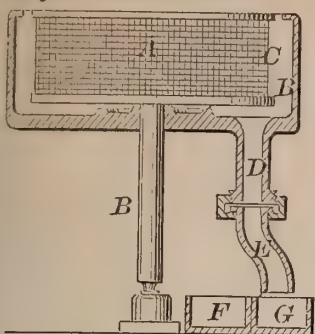


**61220**—J. W. Maloy—*Stone Cutting Machine.*

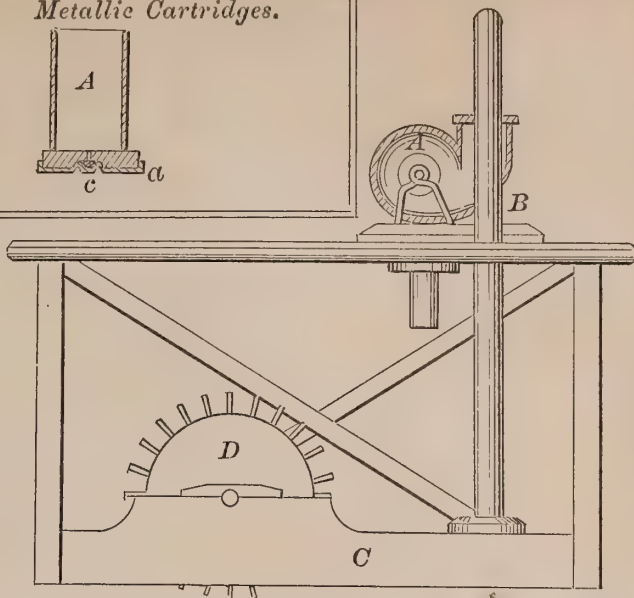
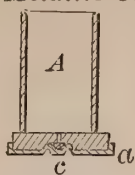


**61222**—H. Martin—*Railroad Car Seat.*

61224—F. O. Matthiessen—*Sugar Manufacture.*

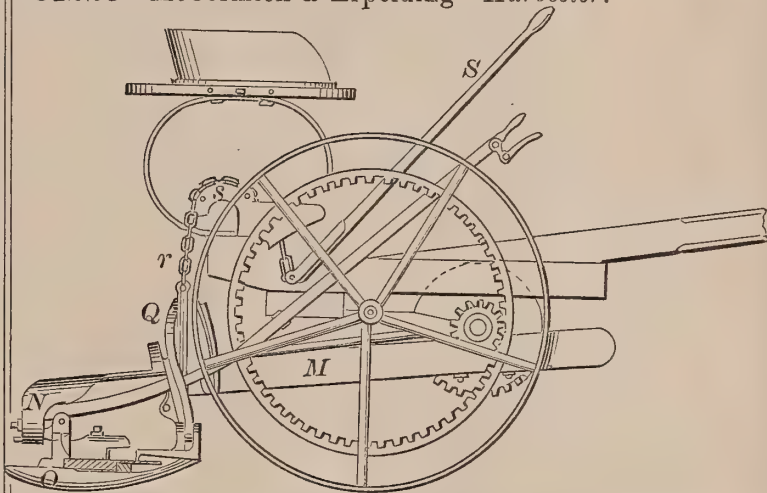


61225—E. Maynard—*Priming Metallic Cartridges.*

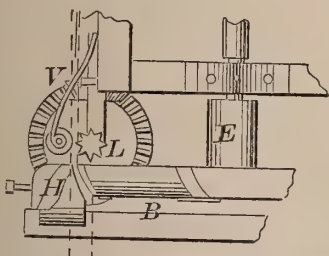
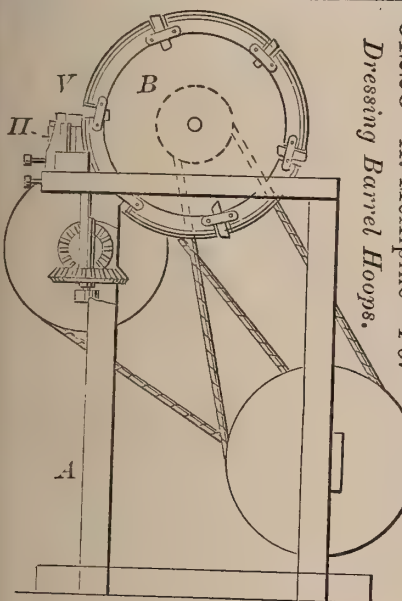


61227—McClintock & Scott—*Dredging Machine.*

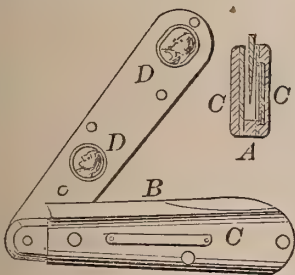
61228—McCormick & Erpelding—*Harvester.*



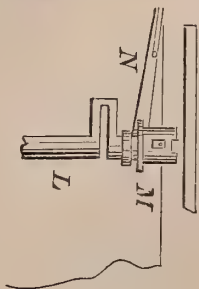
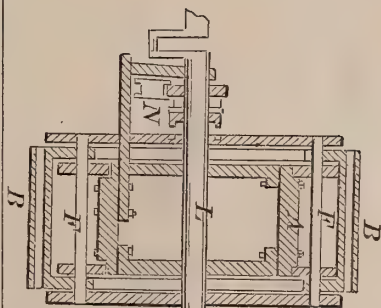
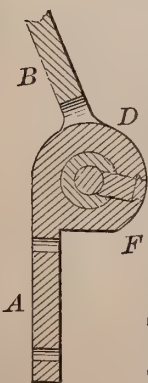
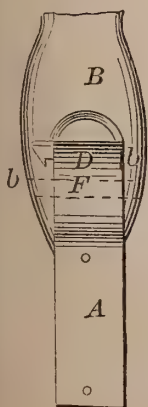
61226—A. McAlpine—*For Dressing Barrel Hoops.*



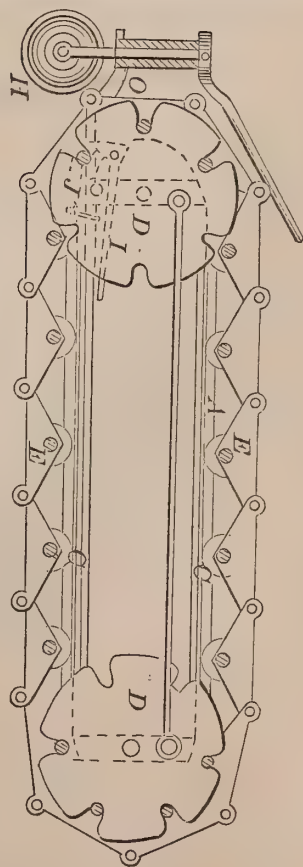
61229—R. B. Milliken—*Pocket Knife.*



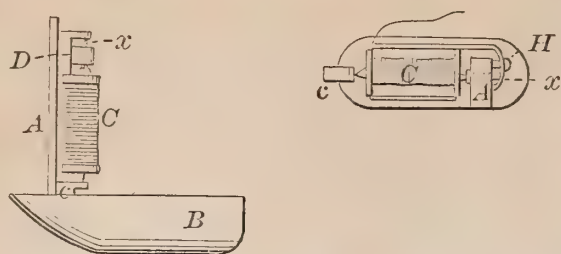
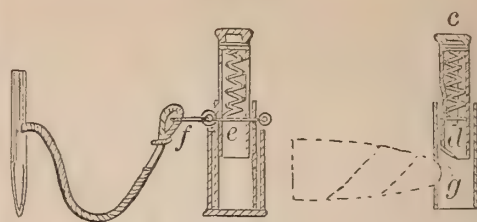
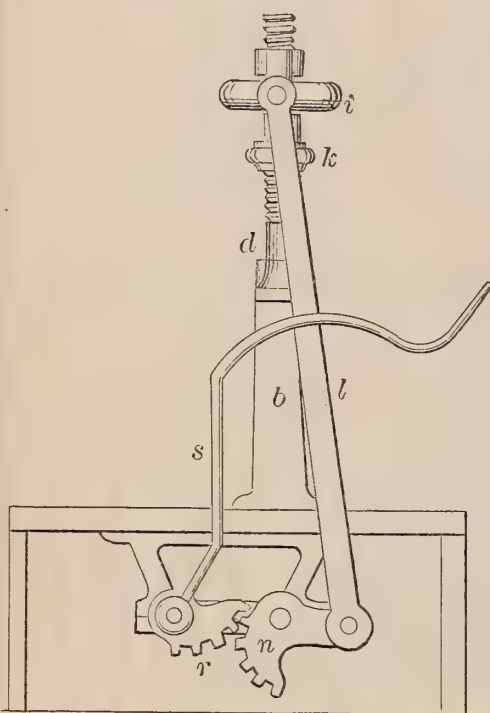
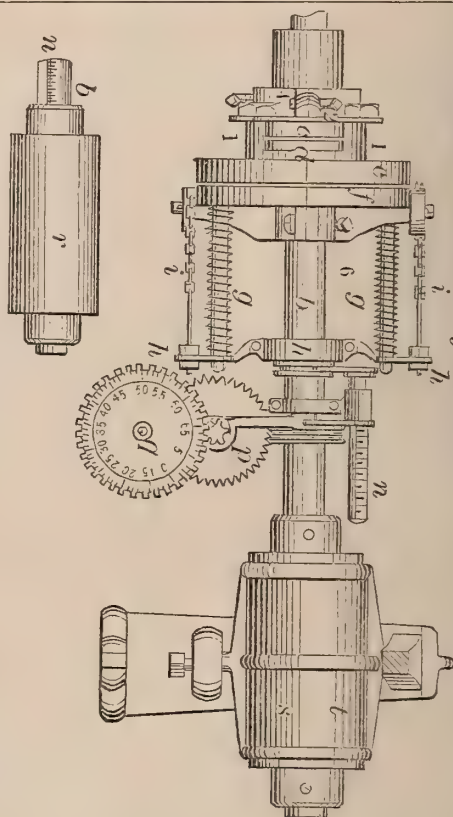
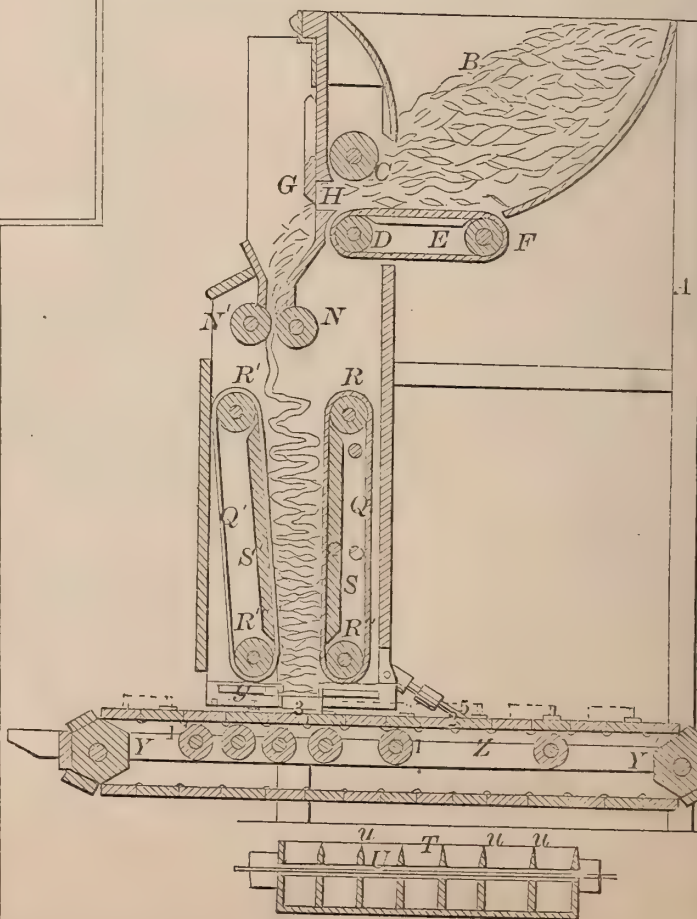
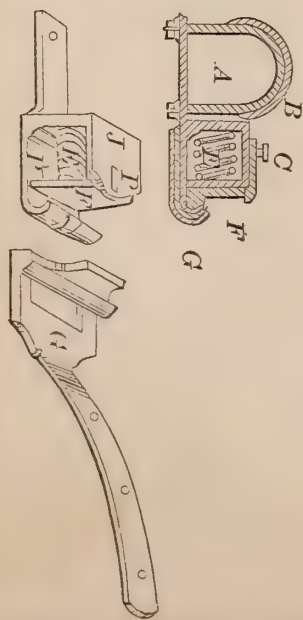
61230—S. Mills—*Thill Coupling.*



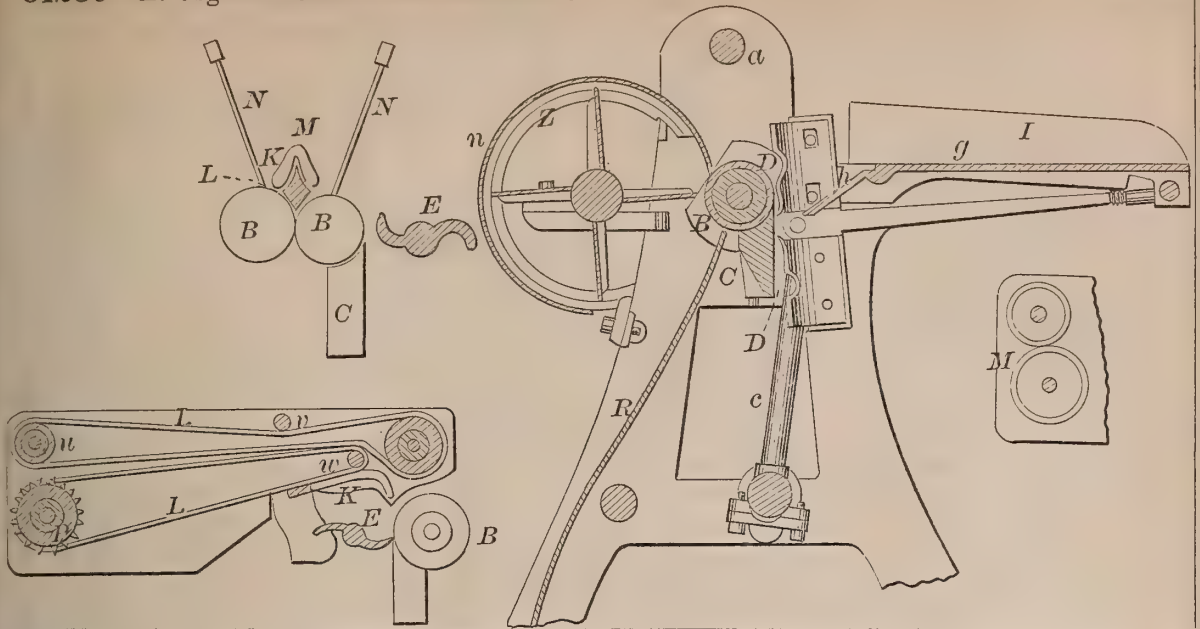
61231—T. S. Minniss—*Locomotive for Plowing, &c.*



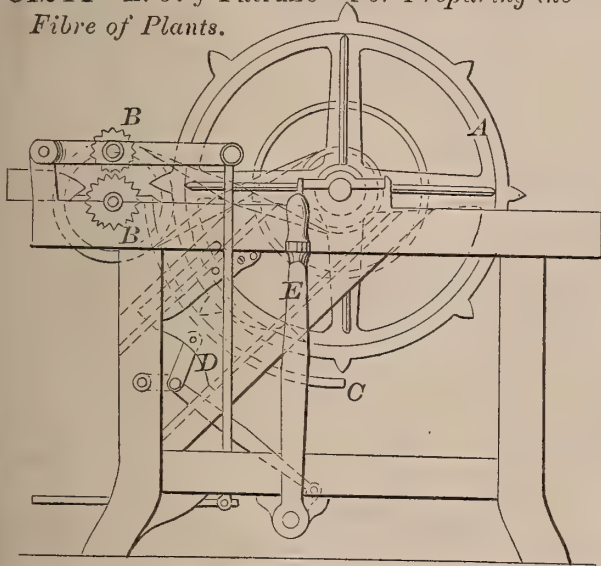


61232—S. Moulton—*Sewing Machine Shuttle.*61234—Myers & Hill—*Apparatus for Smokers.*61233—J. Myers—*Glass Ware Press.*61236—A. F. Nathan—*Skirt Elevator.*61237—C. Neer—*Dynamometer.*61238—Nulsen, Hansen & Wagner—*Brick Machine.*61235—P. Myers—*Thill Coupling.*

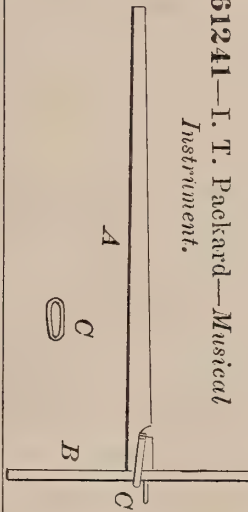
61239—E. Osgood—Cotton Gin and Picker.



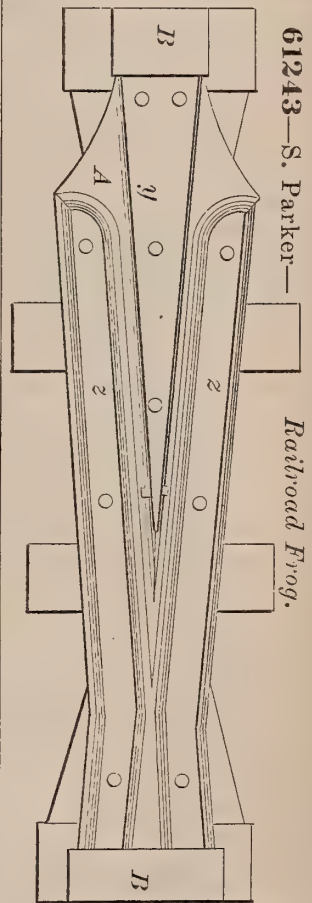
61244—E. J. y Patullo—For Preparing the Fibre of Plants.



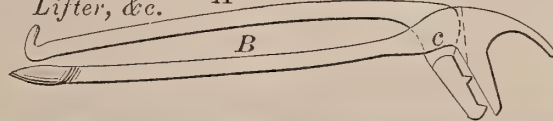
61241—I. T. Packard—Musical Instrument.



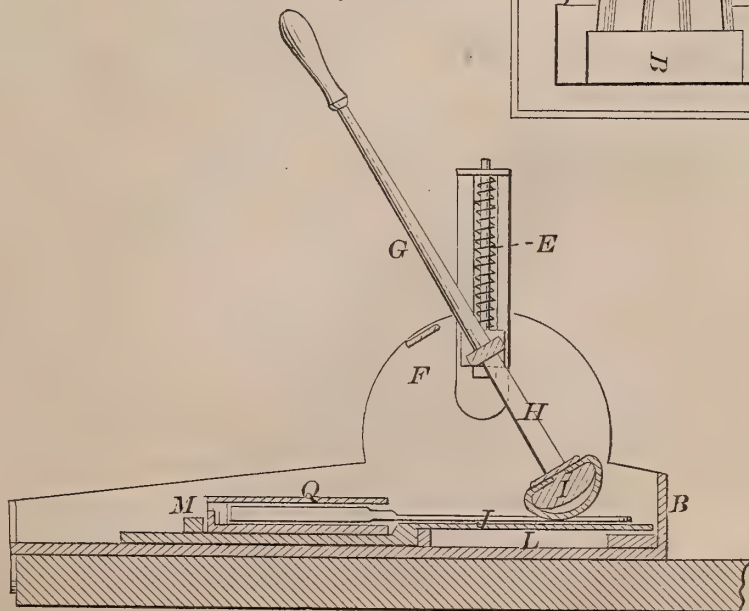
61243—S. Parker—Railroad Frog.



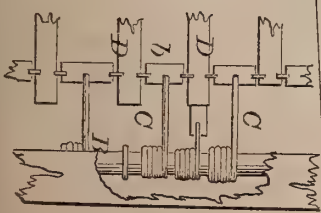
61240—Owen & Pickering—Tongs, Lid Lifter, &c.



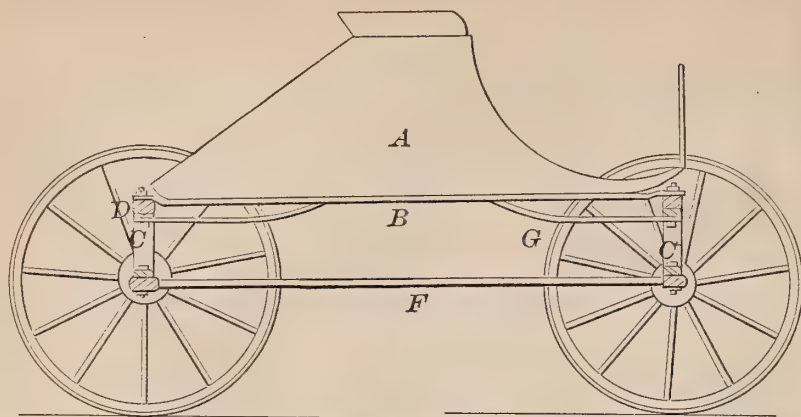
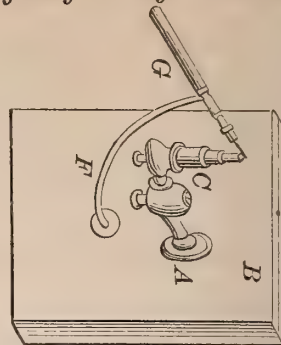
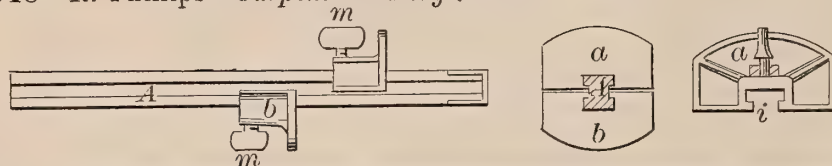
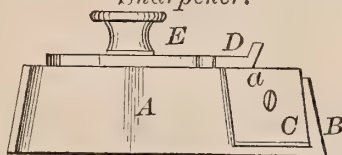
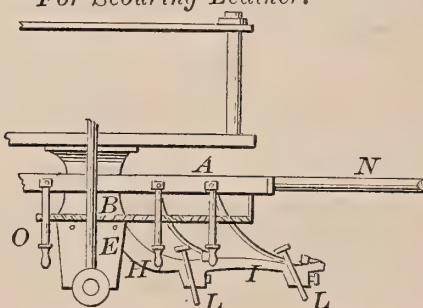
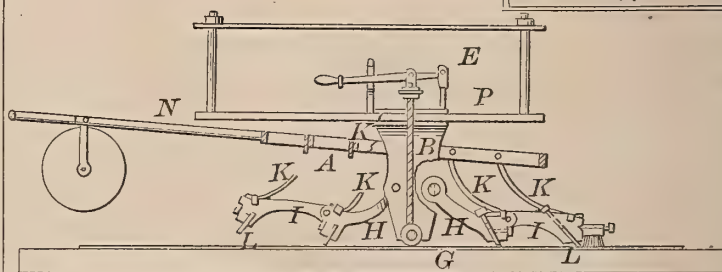
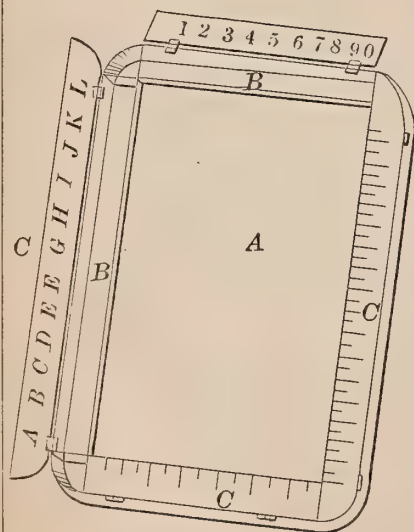
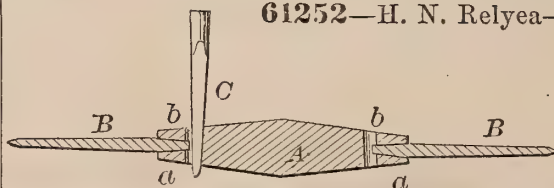
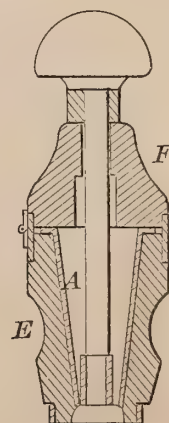
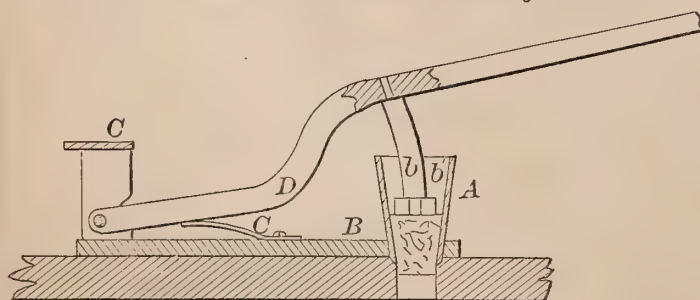
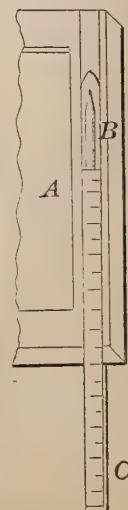
61245—R. R. Pattison—Knife Cleaner.



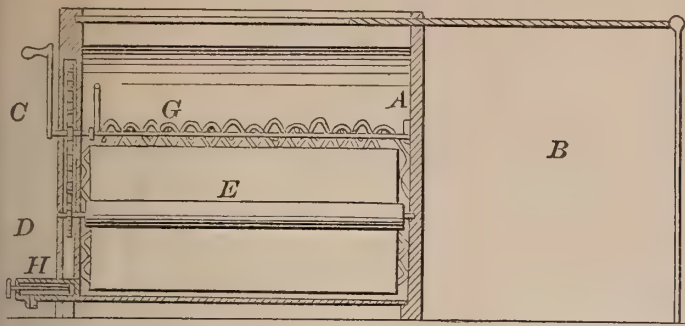
61242—H. H. Palmer—Bed Bottom.



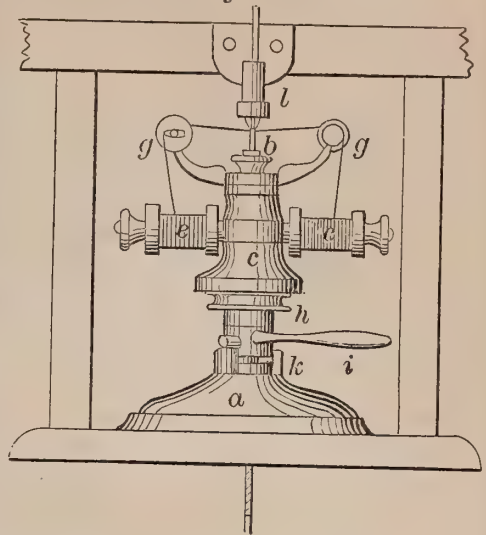


61246—J. B. Pelton—*Carriage Brace.*61247—G. G. Percival—*Lighting Gas by Electricity.*61248—R. Phillips—*Carpenter's Gauge.*61249—D. A. Porter—*Scissors Sharpener.*61250—Pray & Fitzhenry—*For Scouring Leather.*61254—W. J. Rhees—*Slate Frame.*61252—H. N. Relyea—*Mill Pit.*61255—Rheiner & Wolff—*For Inserting Corks.*61253—W. J. Rhees—*Frame for Artificial Slate.*

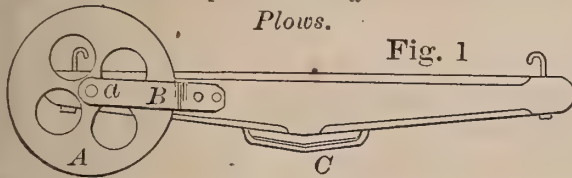
**61256**—G. Richards—*Dish Washing Machine.*



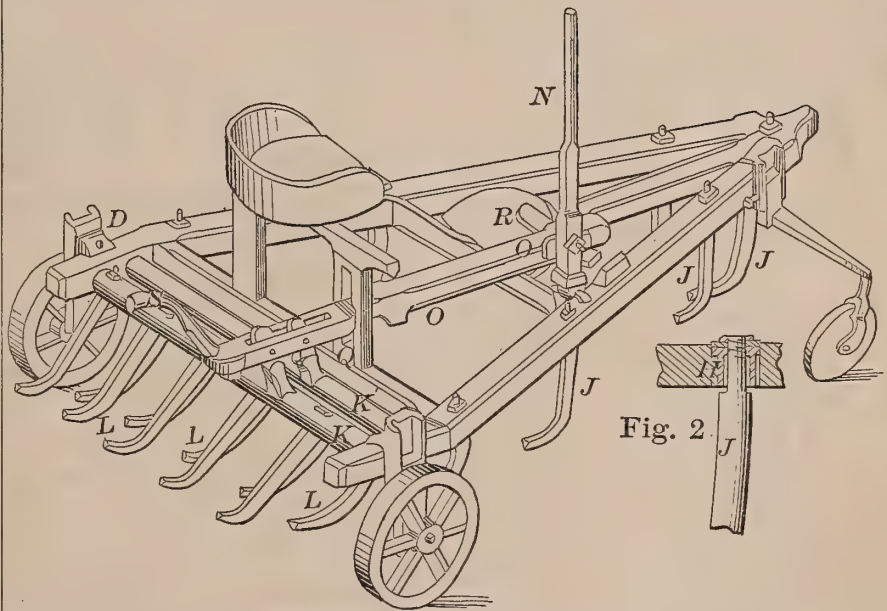
61261—W. H. Rodgers—*For  
Covering Wire.*



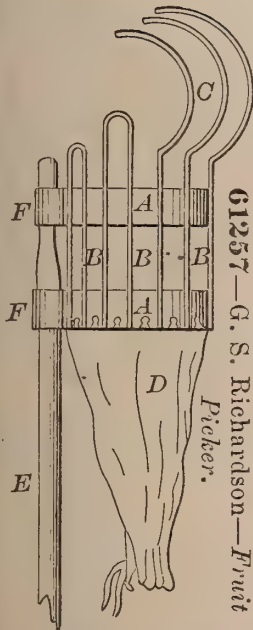
61260—J. B. Ripsom—*Whiffletree Attachment to Plows.*



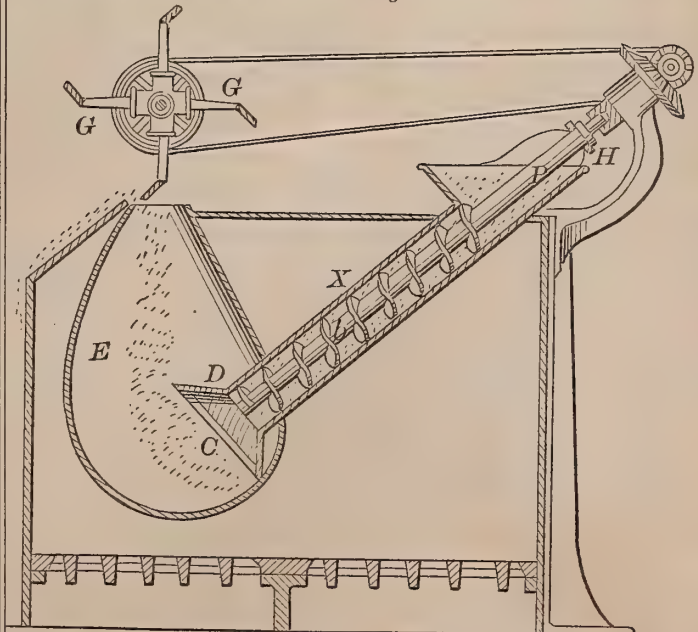
61258—J. W. Richardson—*Harrow.*



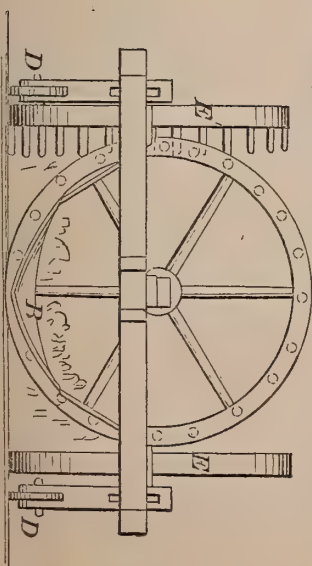
**61257**—G. S. Richardson—*Fruit*  
*Picker.*



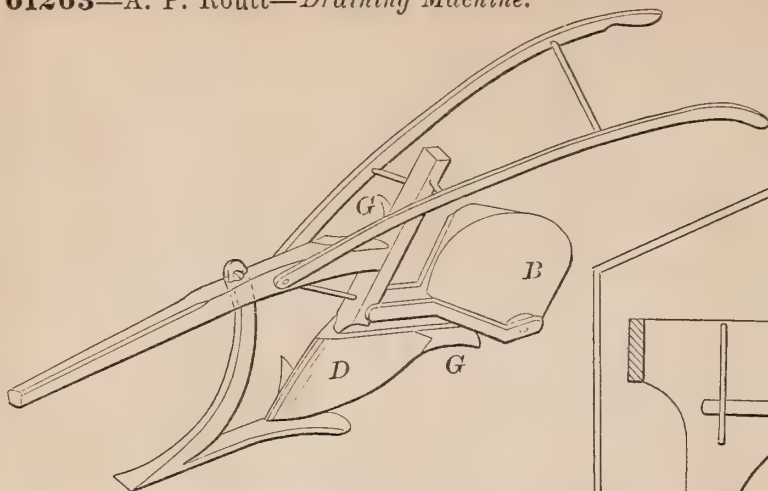
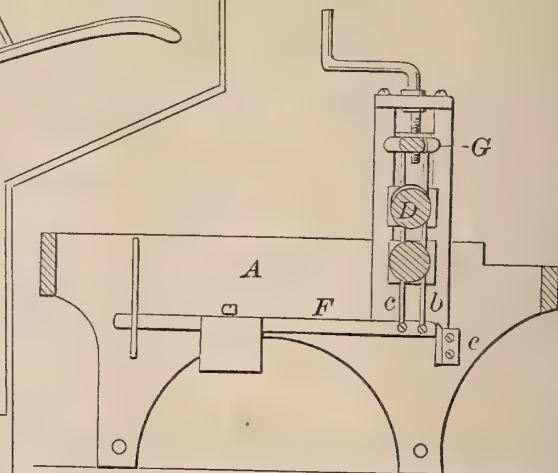
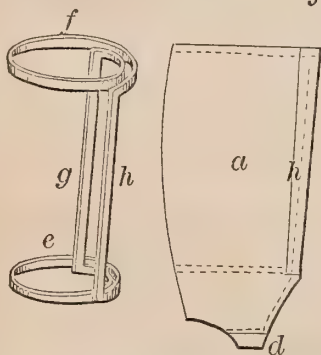
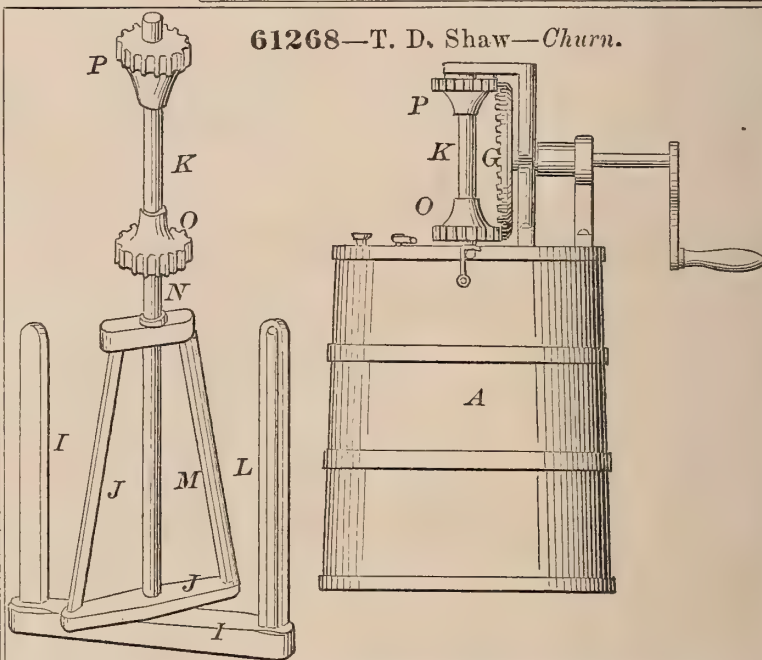
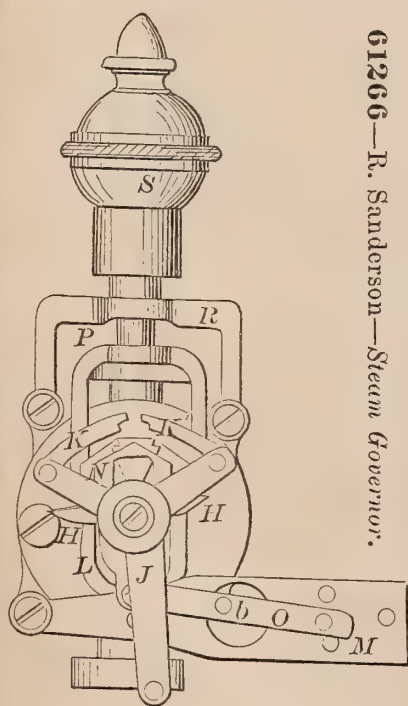
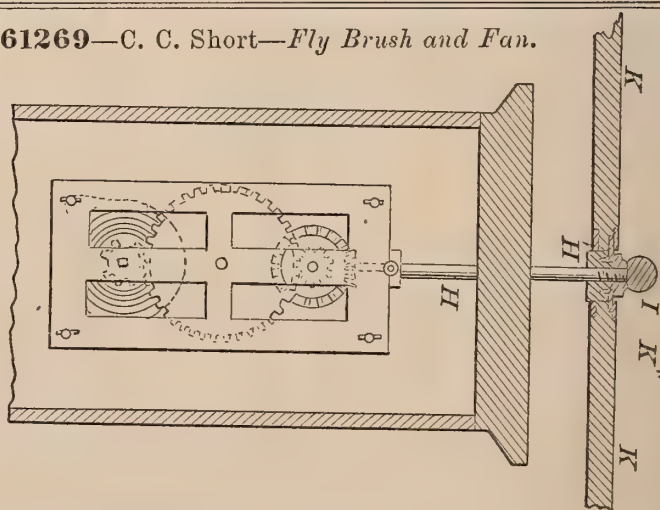
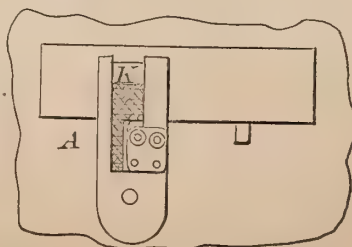
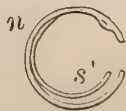
61262—D. E. Rose—*Amalgamator.*



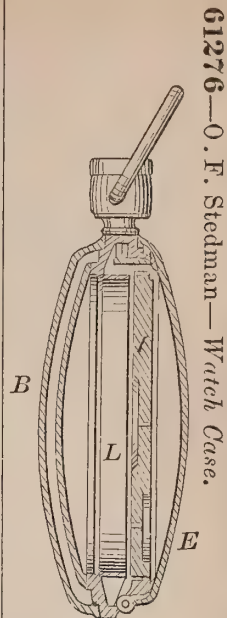
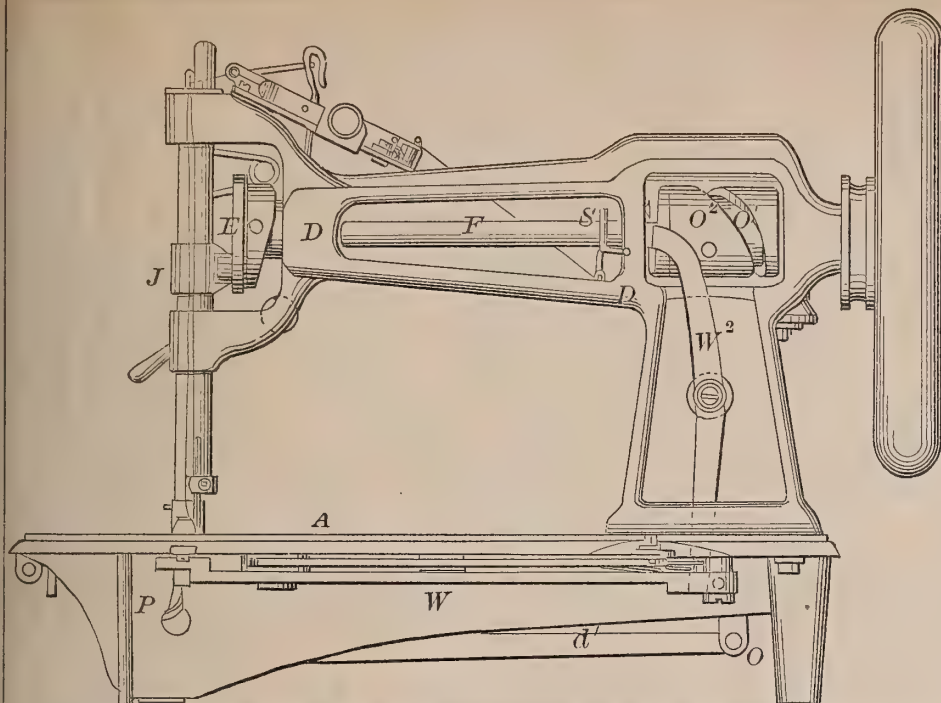
61259—Richardson & Adams—*Potato Digger*.





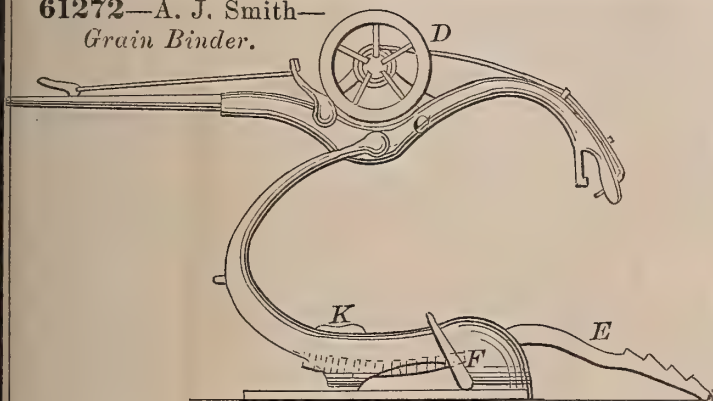
61263—A. P. Routt—*Draining Machine.*61264—G. J. Rugg—*Planing Machine.*61265—W. G. Rule—*Legging.*61268—T. D. Shaw—*Churn.*61266—R. Sanderson—*Steam Governor.*61269—C. C. Short—*Fly Brush and Fan.*61270—I. M. Singer—*Sewing Machine.*

61270—Continued.

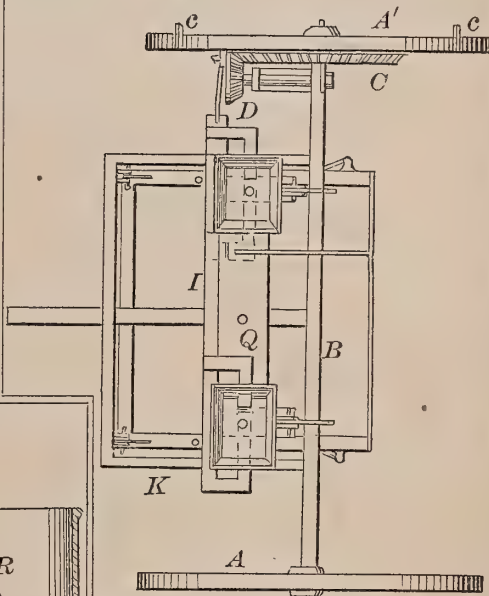


61276—O. F. Stedman—Witch Case.

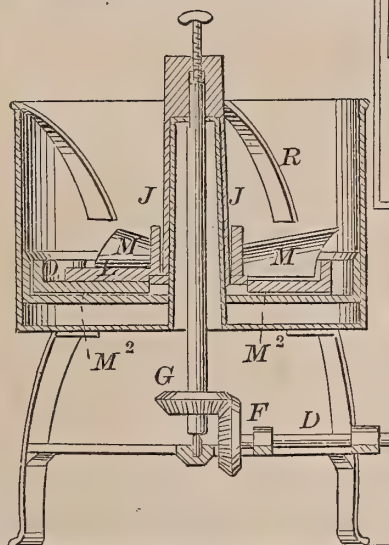
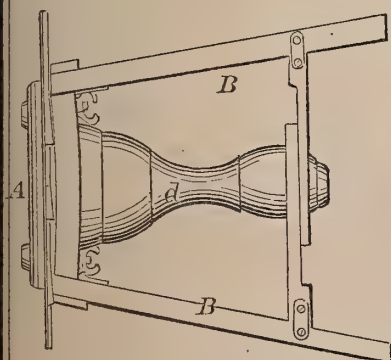
61272—A. J. Smith—  
Grain Binder.



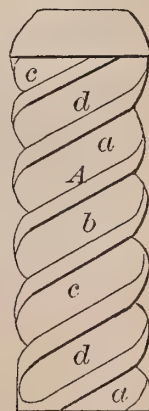
61273—E. F. Smith—Corn Planter.



61277—E. Stubbs—For  
Filing Saws.

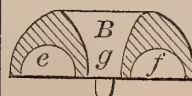
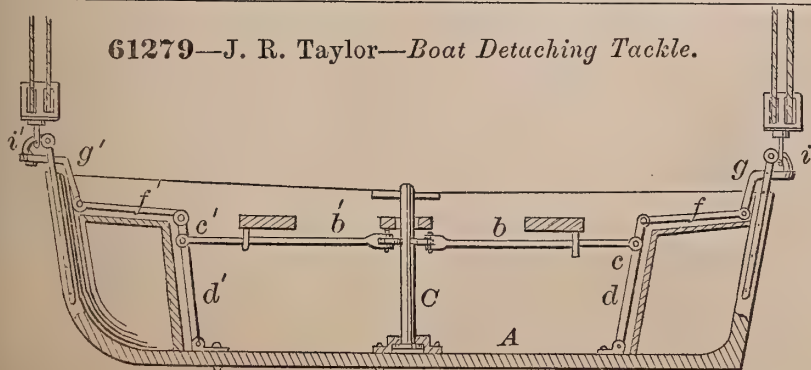


61274—S. Standish—  
Amalgamator.



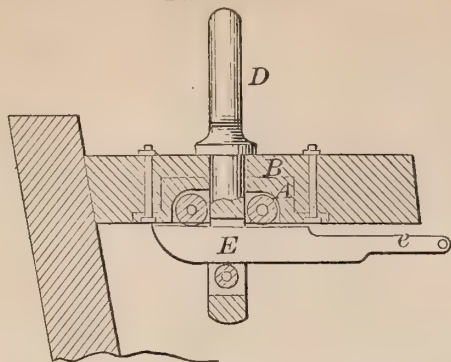
61278—J. H. Sturdy—Steam Generator.

61279—J. R. Taylor—Boat Detaching Tackle.

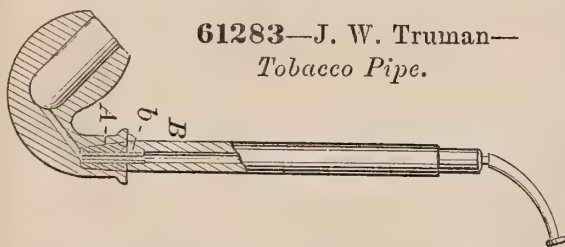




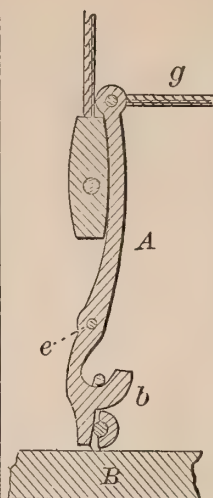
**61280**—J. R. Taylor—*Boat Detaching Tackle.*



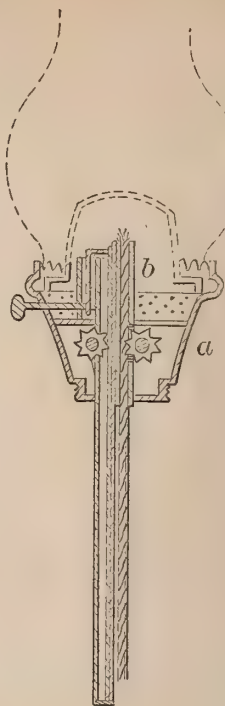
**61283**—J. W. Truman—*Tobacco Pipe.*



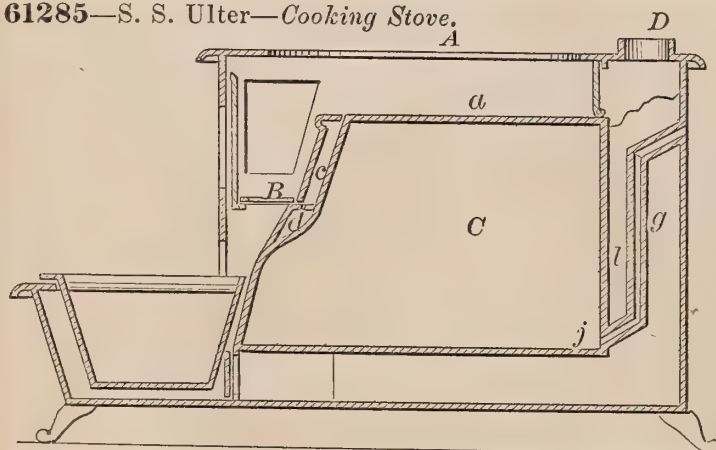
**61281**—J. R. Taylor—*Boat Detaching Tackle.*



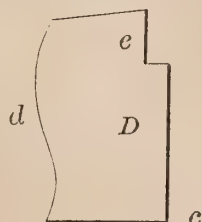
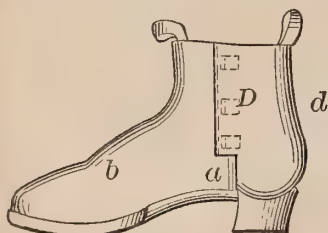
**61284**—Tyler, Chandler & Standish—*For Lighting Lamps, &c.*



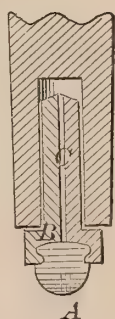
**61285**—S. S. Ulter—*Cooking Stove.*



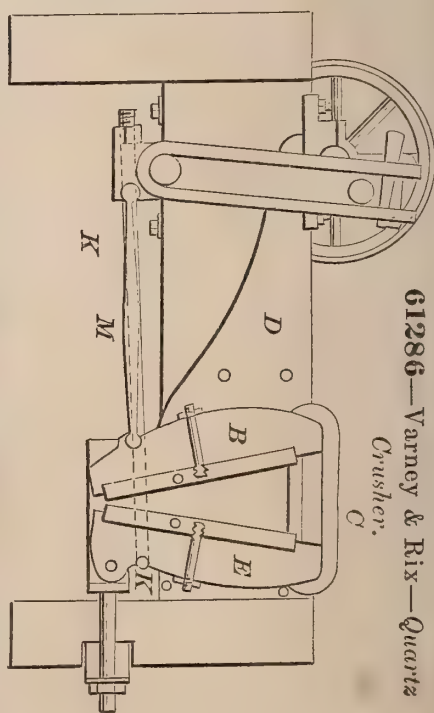
**61287**—G. Wagner—*Boots and Shoes.*



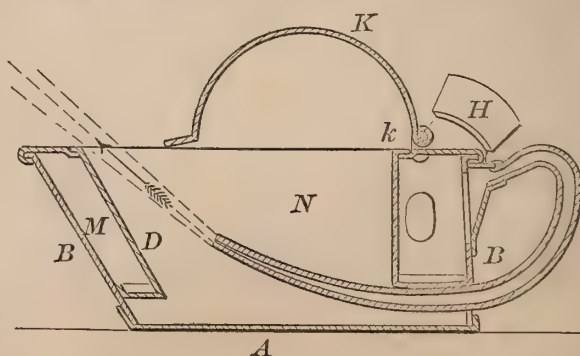
**61282**—E. S. Torrey—*Elastic Tip for Furniture Legs.*



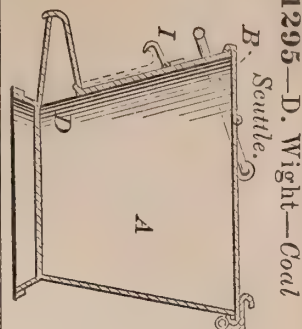
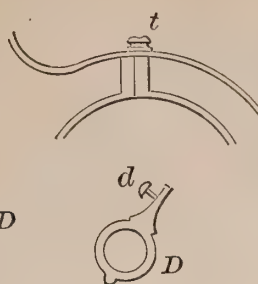
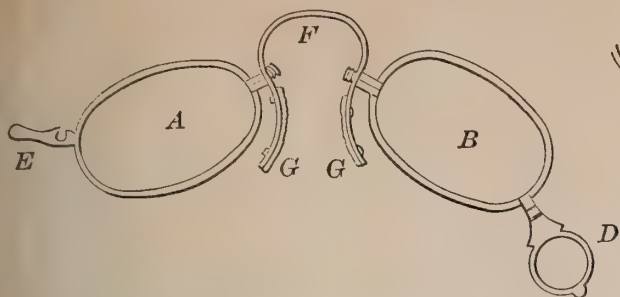
**61286**—Varney & Rix—*Quartz Crusher.*



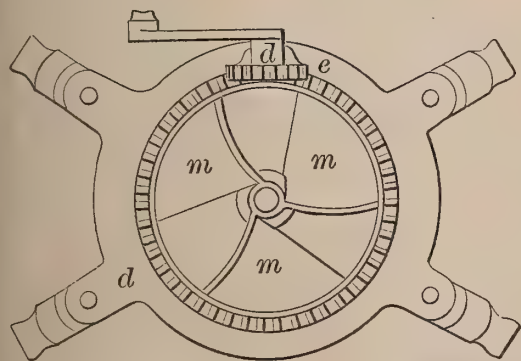
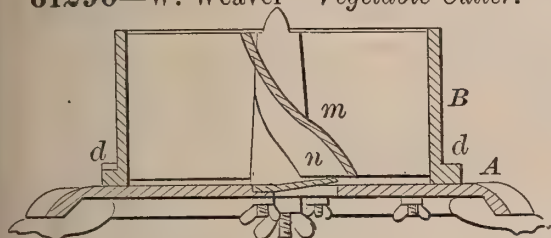
**61288**—Wakeman & Ross—*Paint Burner.*



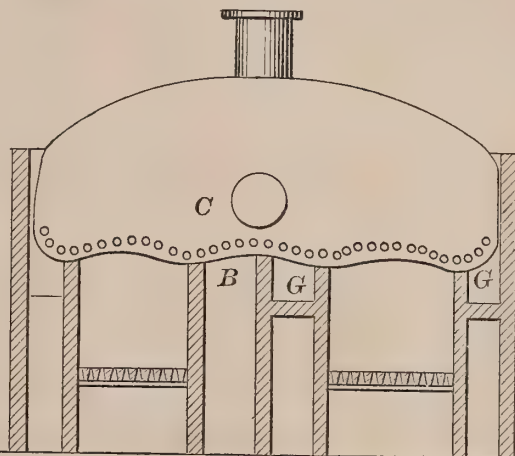
61289—E. Want—*Eye Glasses.*



61290—W. Weaver—*Vegetable Cutter.*



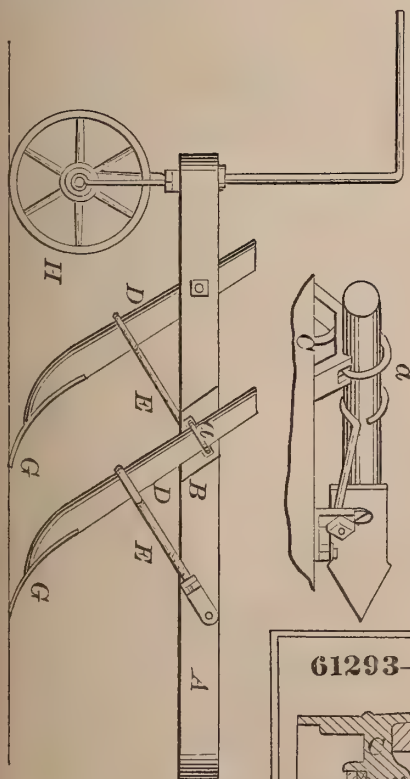
61291—W. C. Welles—*Petroleum Still.*



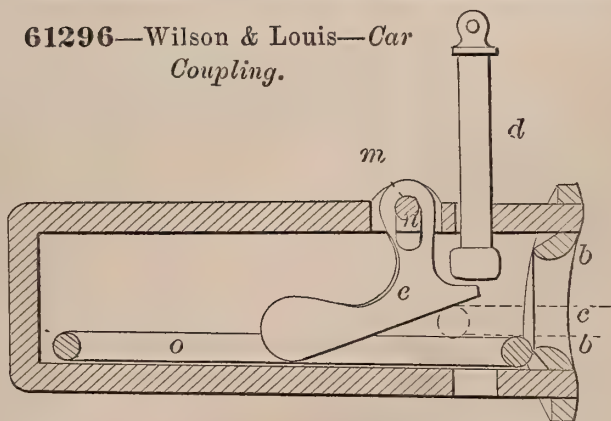
61292—G. A. White—*Paint Brush.*



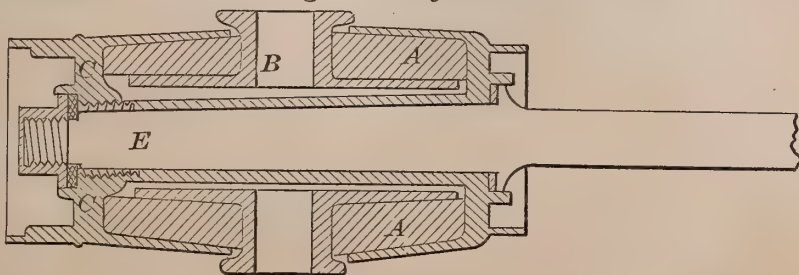
61294—S. M. Whitney—*Cultivator.*



61296—Wilson & Louis—*Car Coupling.*

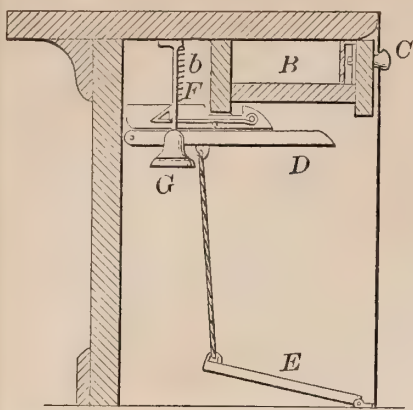


61293—J. M. Whiting—*Carriage Hub.*

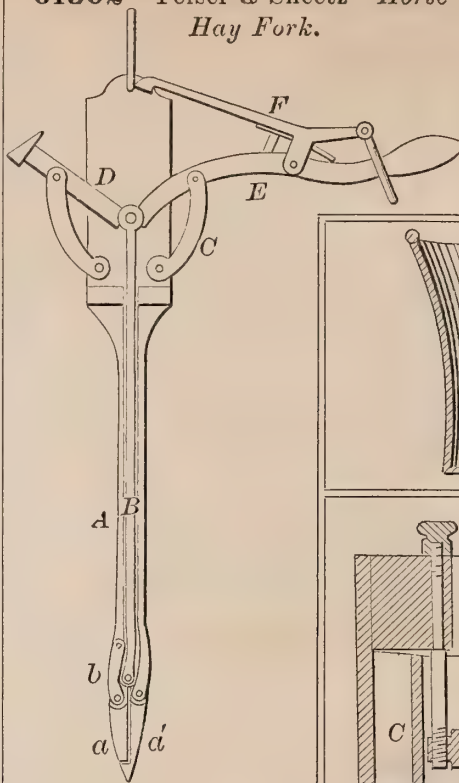




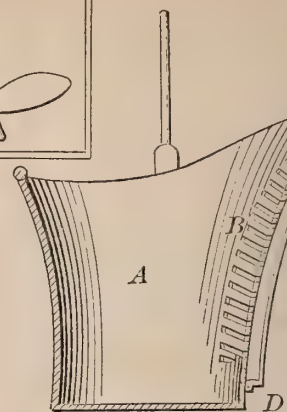
**61297**—J. F. Winchell—  
*Alarm for Money Drawers.*



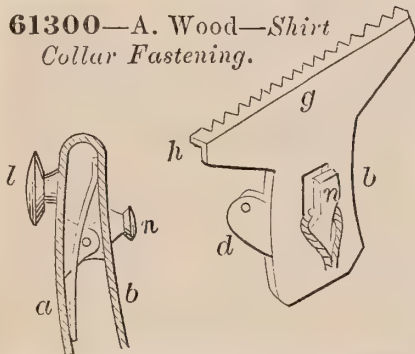
**61302**—Yeiser & Sheetz—*Horse Hay Fork.*



**61301**—Yeatman & Mason—*Coal Hod.*



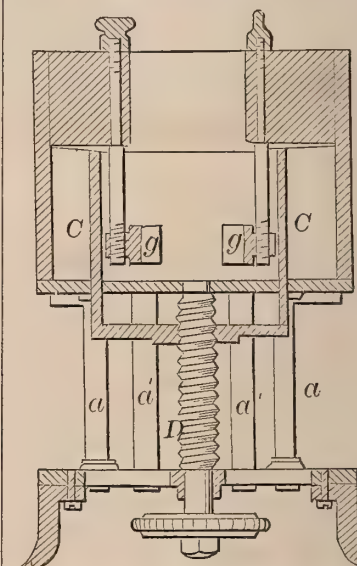
**61300**—A. Wood—*Shirt Collar Fastening.*



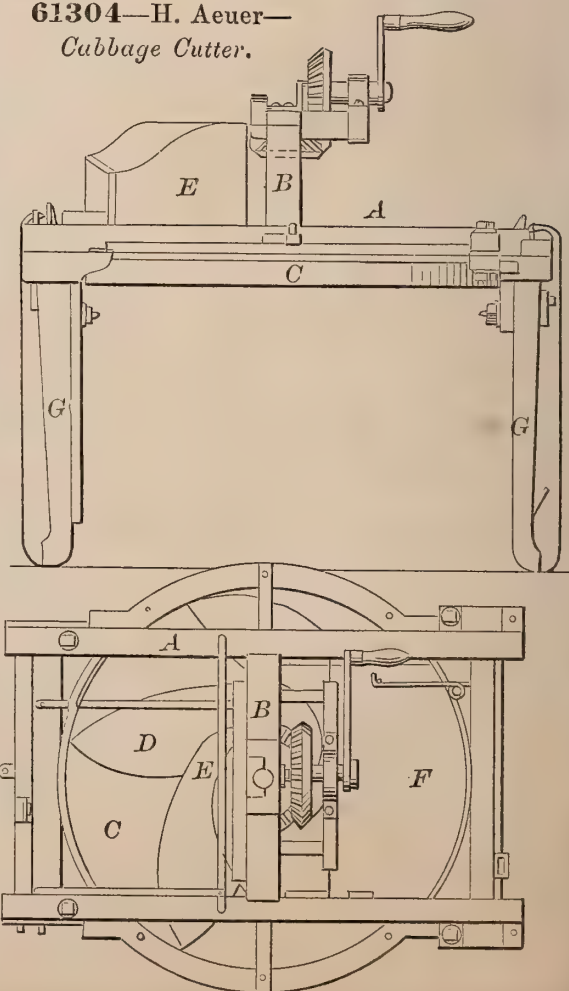
**61299**—A. A. Wood—*Water Wheel.*



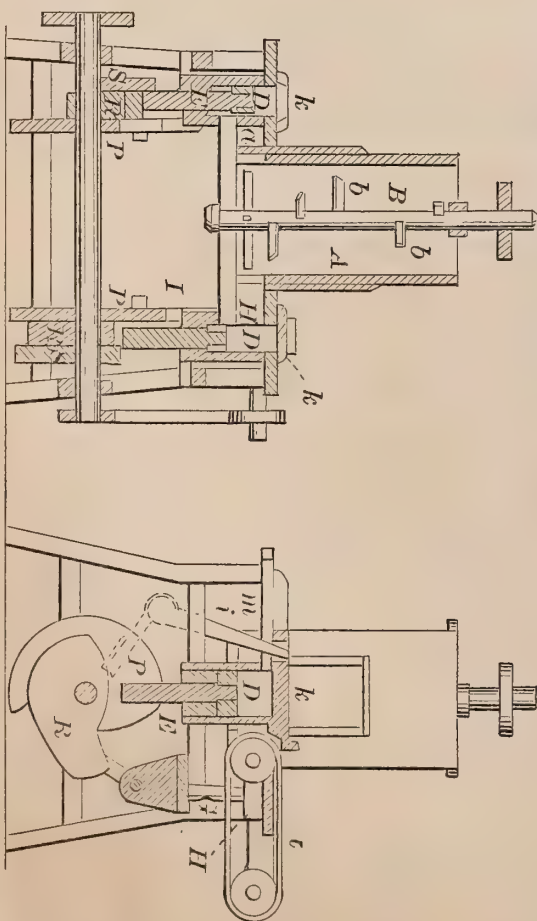
**61303**—J. Yocom, Jr.—*Moulding Flask.*



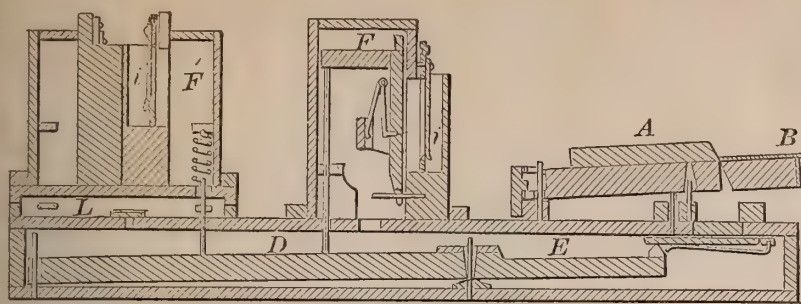
**61304**—H. Aeuer—  
*Cabbage Cutter.*



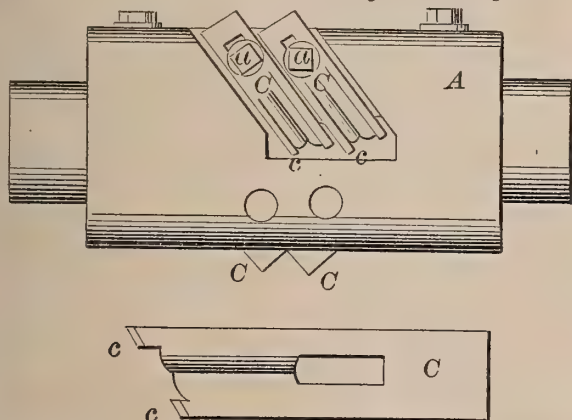
**61298**—R. Wolff—*Brick Machine.*



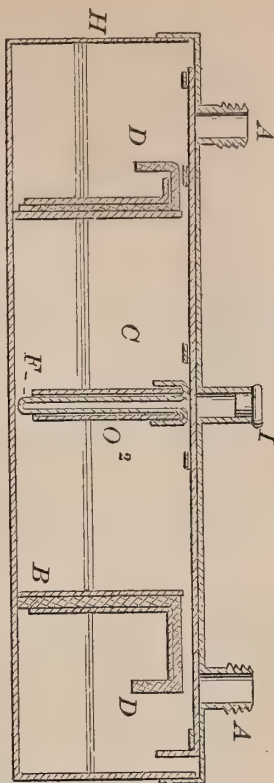
61305—C. Austin—*Melodeon.*



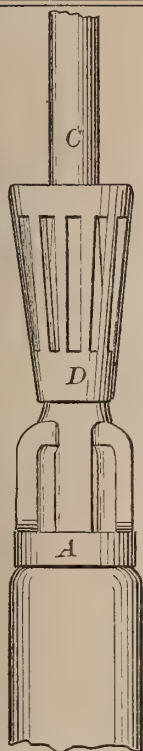
61306—E. C. Austin—*For Cutting Mouldings.*



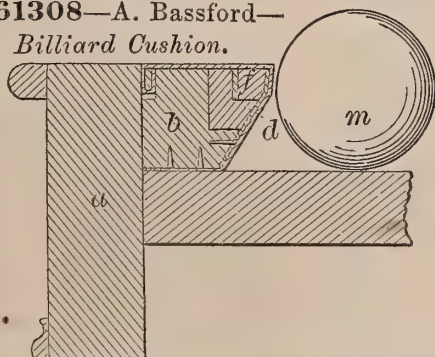
61309—J. F. Boynton—*For Carburetting Gas and Air.*



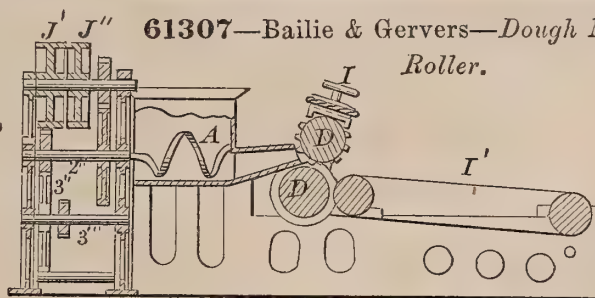
61311—E. D. Brown—*Deep Well Pump Piston.*



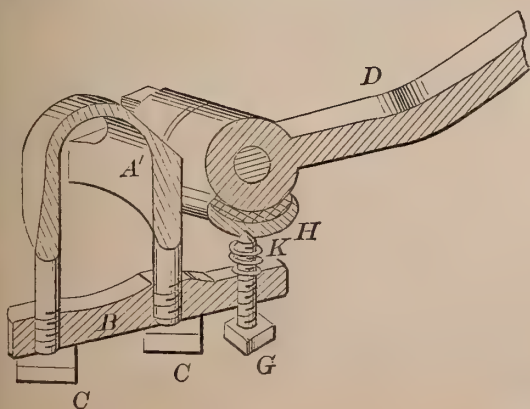
61308—A. Bassford—*Billiard Cushion.*



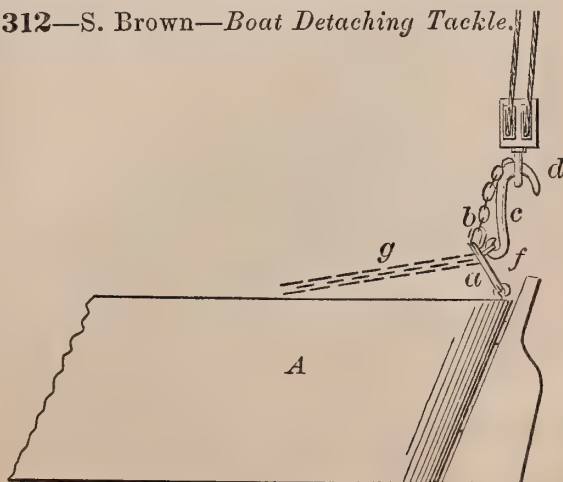
61307—Bailie & Gervers—*Dough Mixer and Roller.*



61310—J. F. Bridget—*Thill Coupling.*

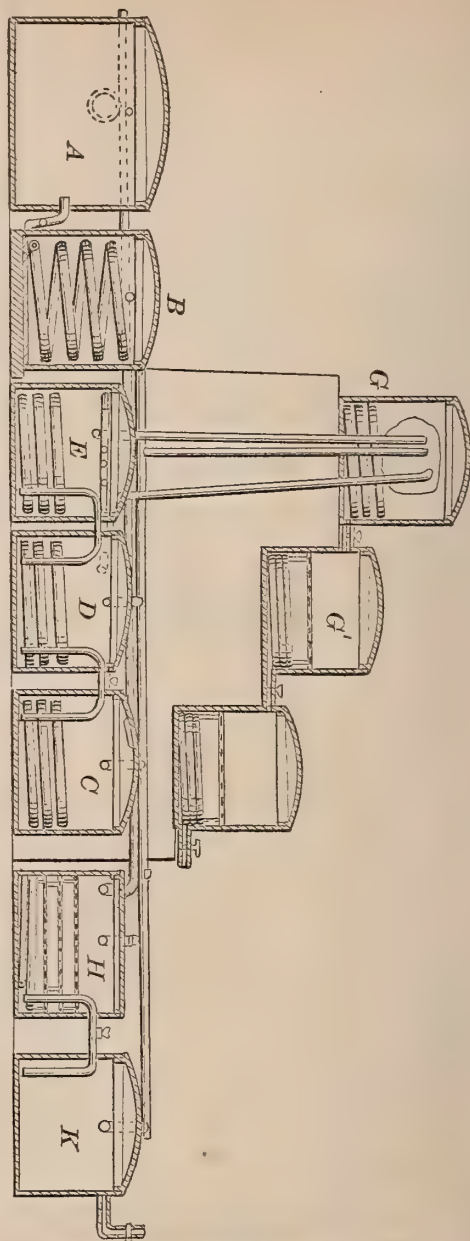


61312—S. Brown—*Boat Detaching Tackle.*

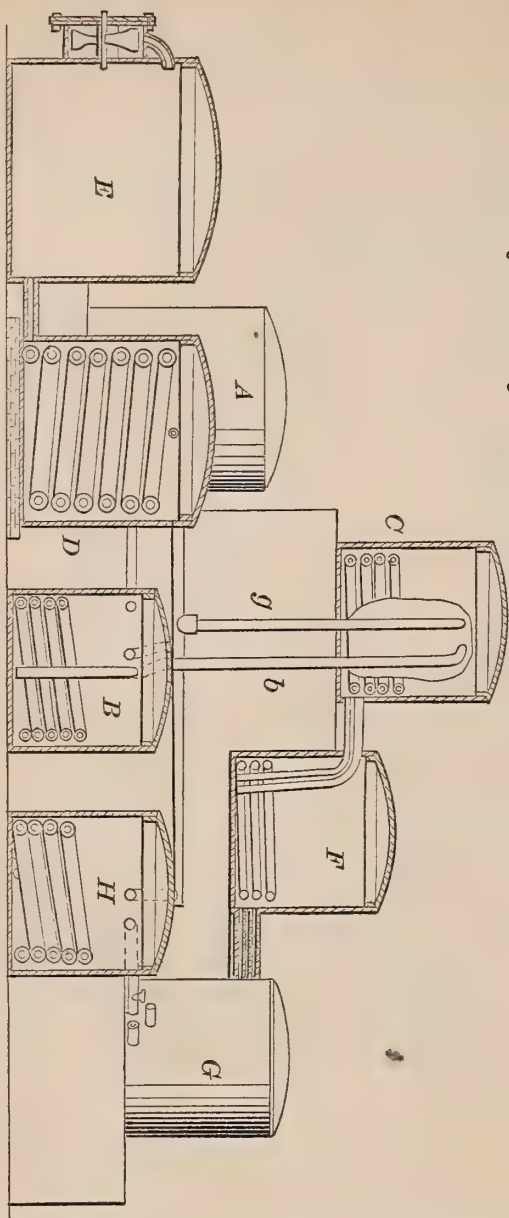




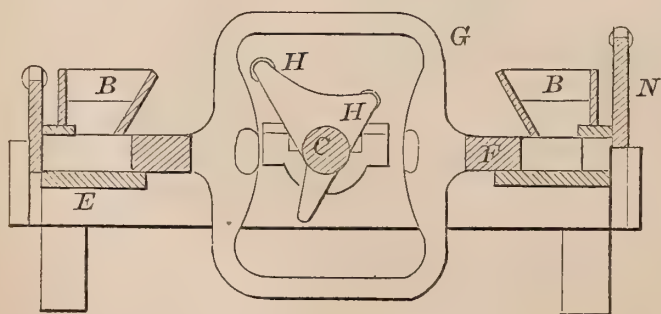
61315—D. Bruce—For Curing Meat, Tanning, &amp;c.



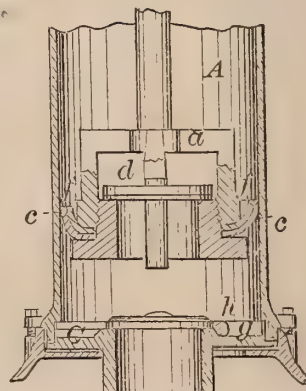
61314—D. Bruce—Sugar Making.



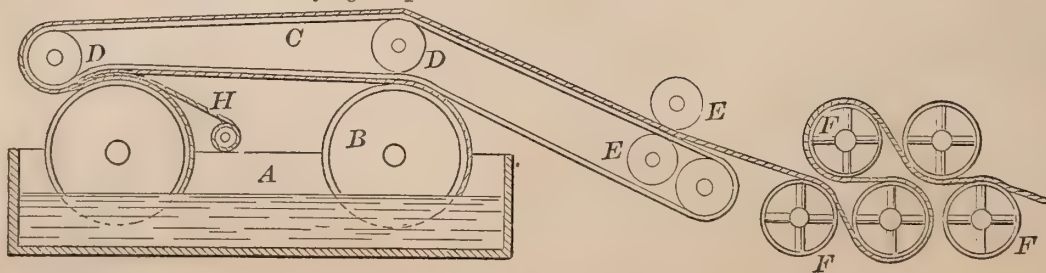
61318—J. B. Collen—For Pressing Fuel into Blocks.



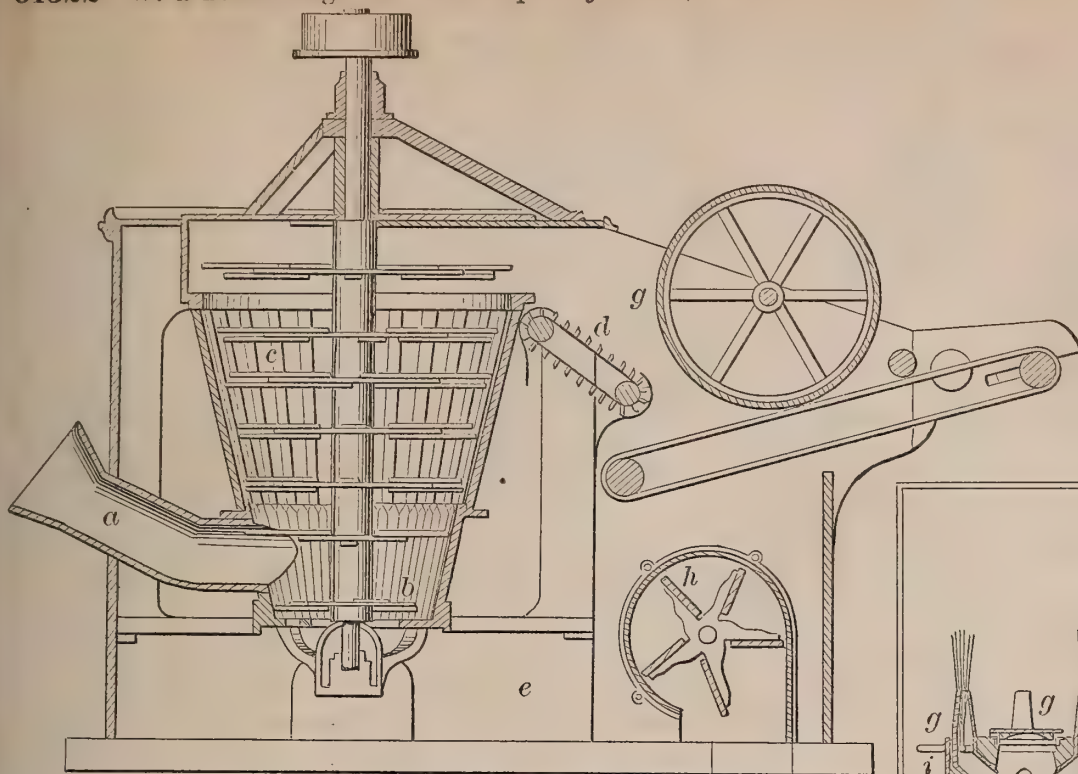
61319—H. Comstock—Pump.



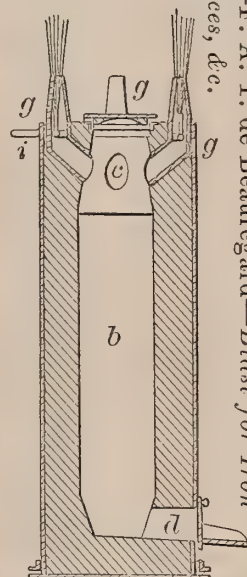
61321—L. M. Crane—Safety Paper.



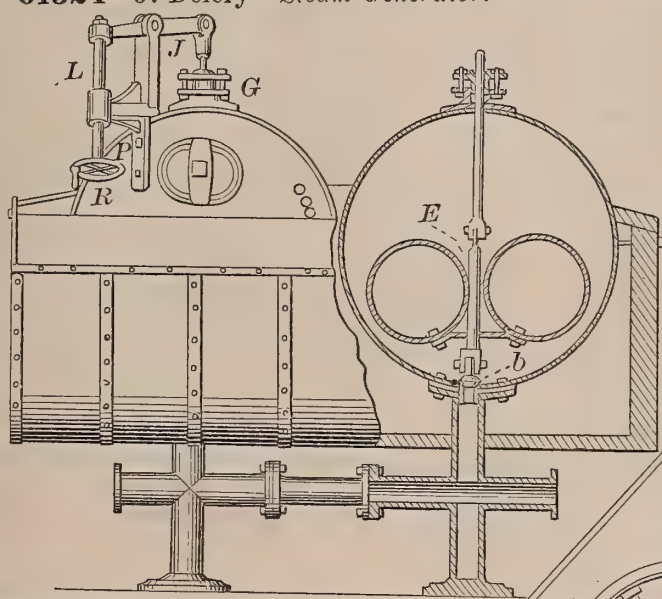
61322—W. & F. W. Crighton—For Preparing Cotton, &c.



61323—F. A. T. de Beauregard—Blast for Iron Furnaces, &c.



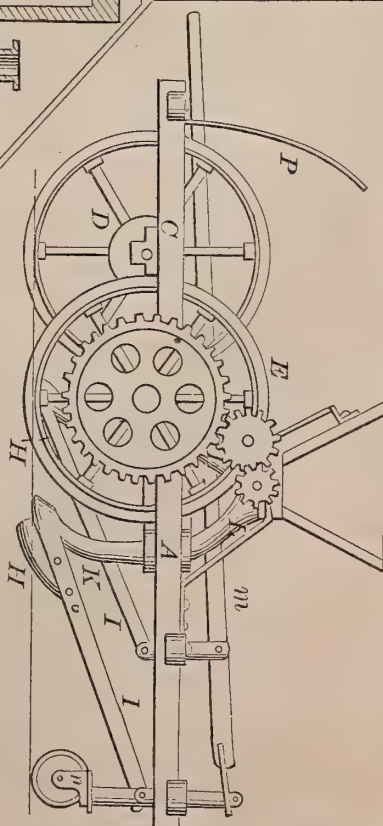
61324—J. Delery—Steam Generator.



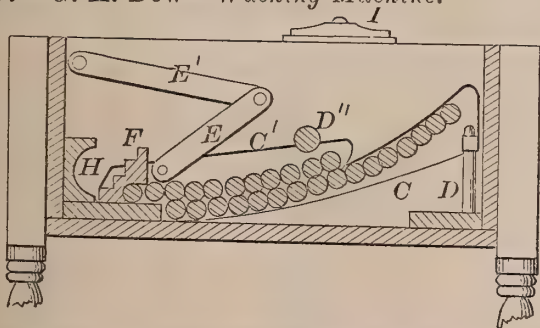
61325—A. J. B. De Morat—Telegraphic Cable.



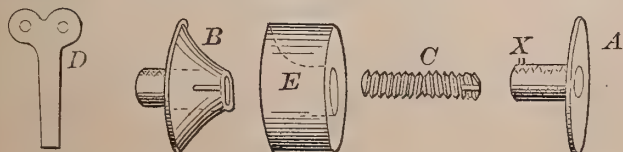
61326—G. W. Doolittle—Wheat Drill.



61327—G. H. Dow—Washing Machine.

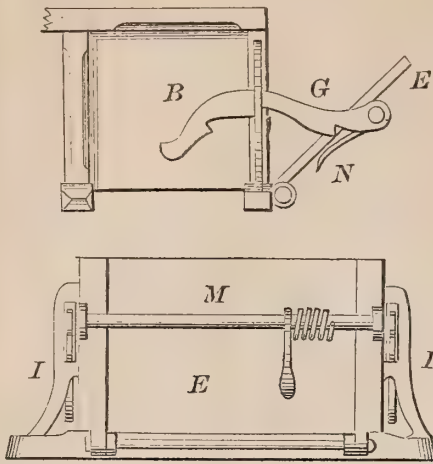


61328—M. S. Drake—Barrel Bung.

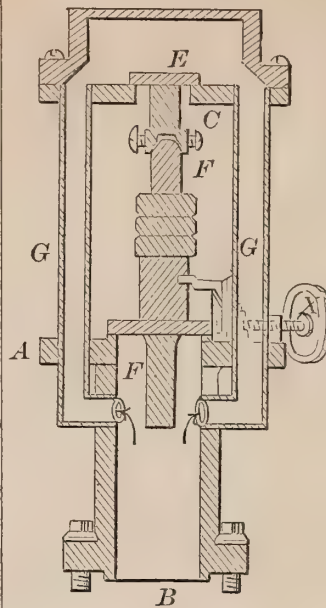
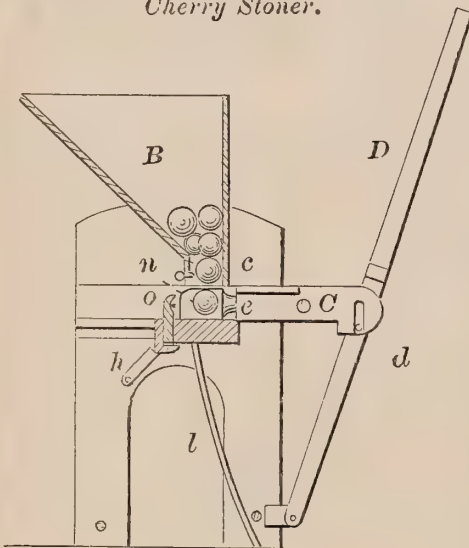




**61329**—J. O. Farrell—*Tail Board for Wagon.*

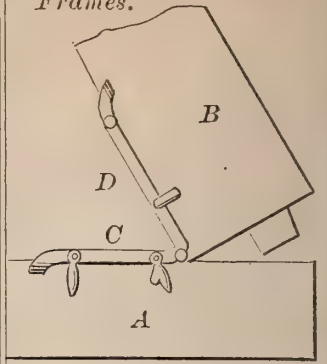


**61331**—F. G. & E. A. Floyd—*Cherry Stoner.*

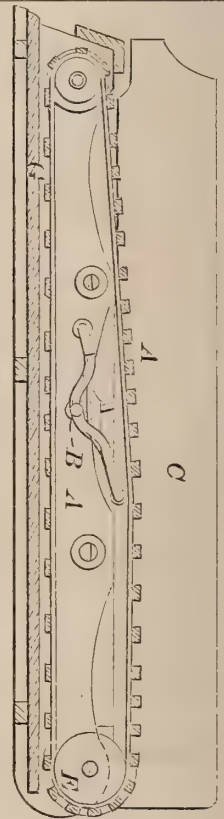


**61330**—J. H. Fitz Simmons—*Safety Valve.*

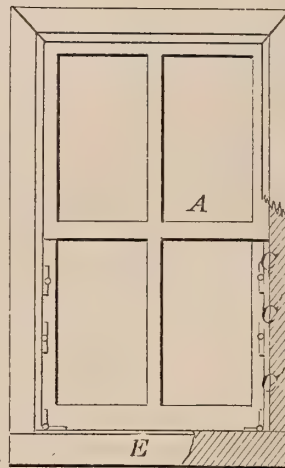
**61332**—Ford & Weible—*Clamp for Raising Frames.*



**61333**—D. Frost—*Threshing Machine.*



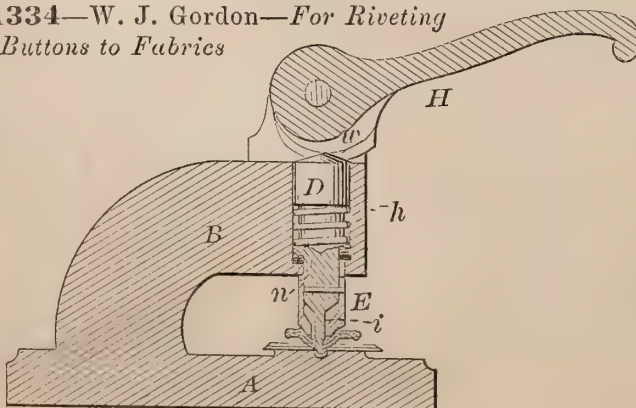
**61335**—E. M. Griswold—*Sash Support.*



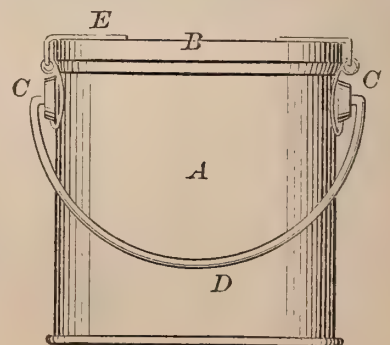
**61336**—Hill & Burnham—*Boat Detaching Apparatus.*



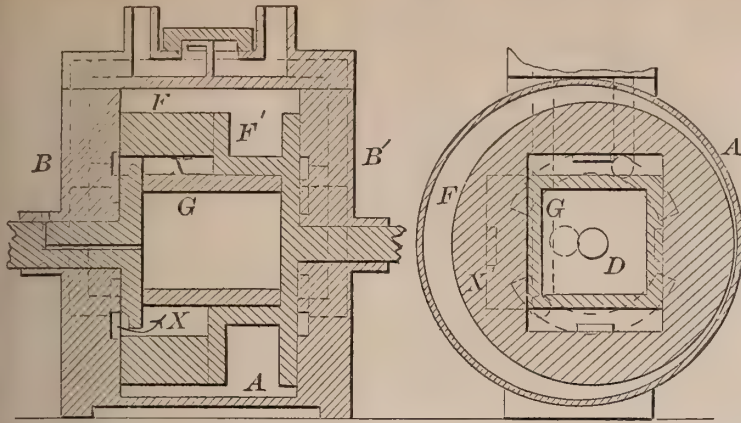
**61334**—W. J. Gordon—*For Riveting Buttons to Fabrics*



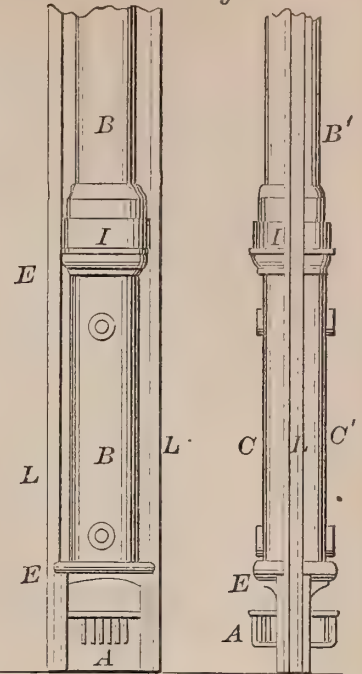
**61337**—W. A. Hopkins—*Paint Can.*



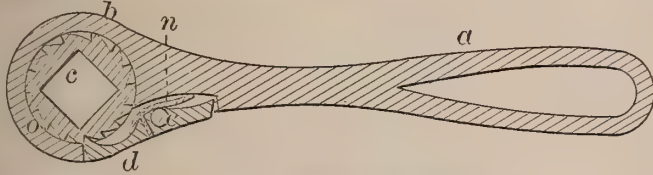
61339—W. Huston—For Applying Motive Power.



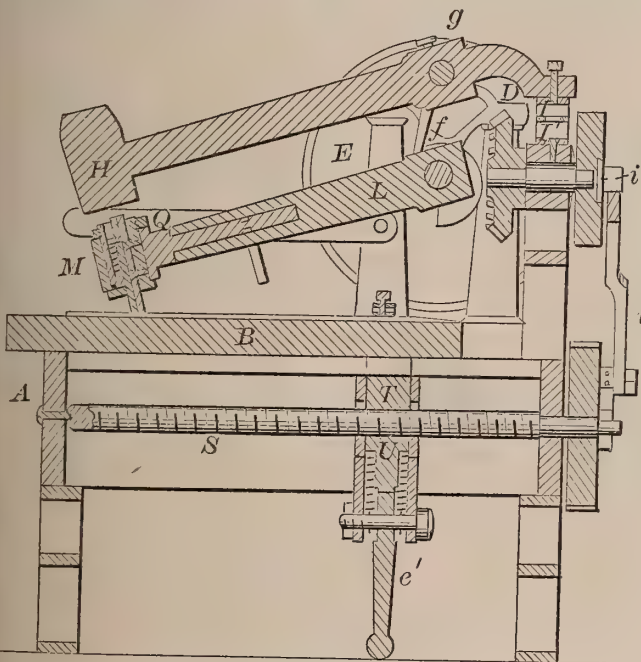
61342—D. June—Cast Iron Chimney.



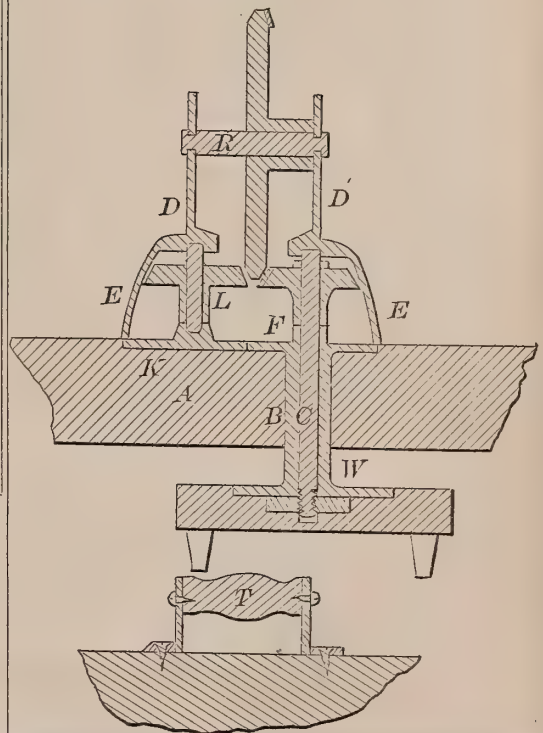
61340—J. C. Jackson—Wrench.



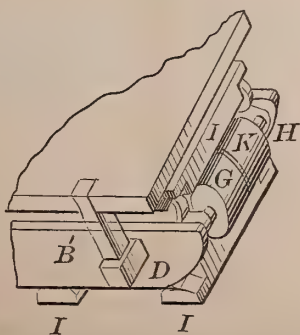
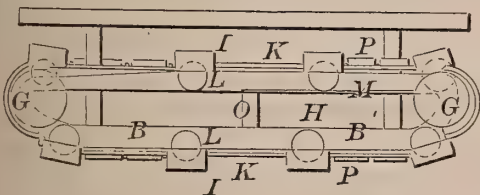
61341—Johnson & Griffin—File Cutting Machine.



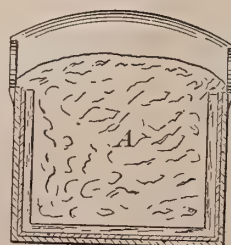
61343—C. H. Knox—Washing Machine.



61344—J. S. Lake—Self Track Laying Car.



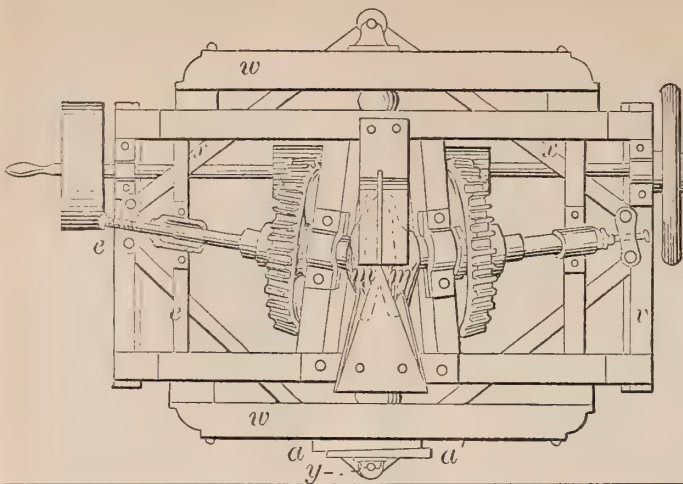
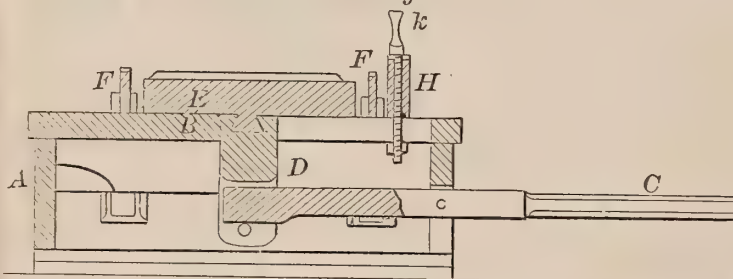
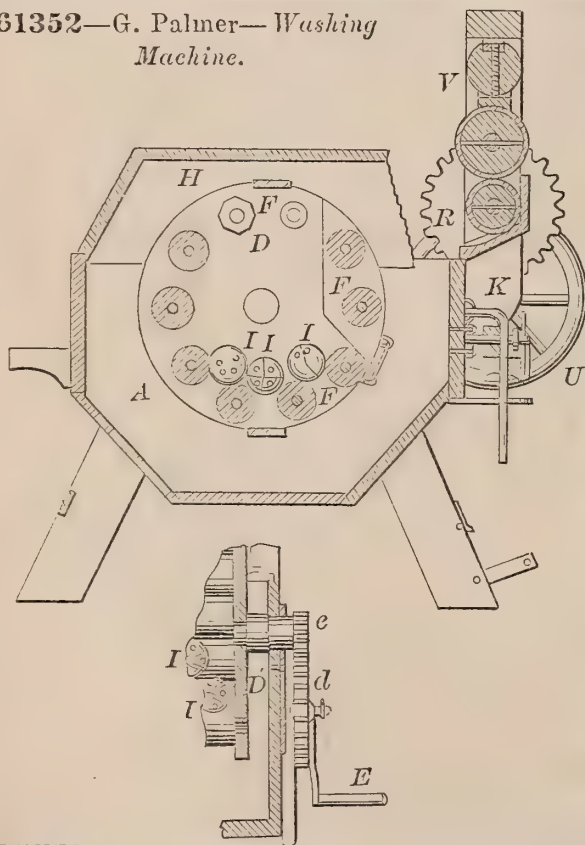
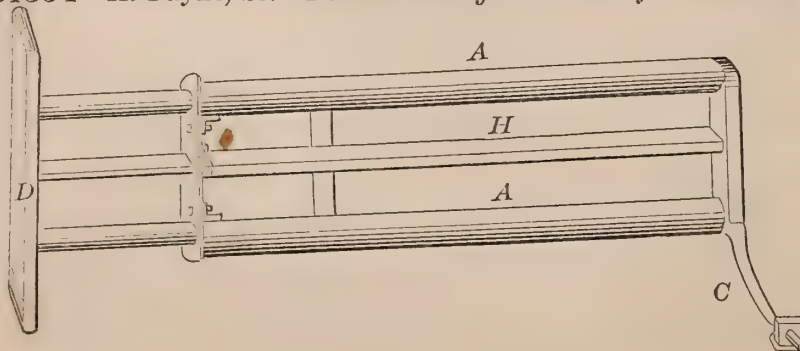
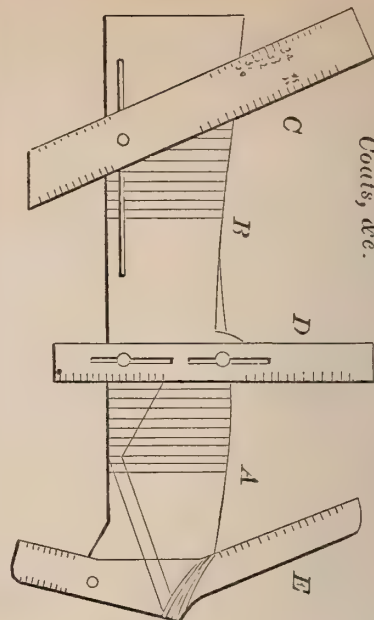
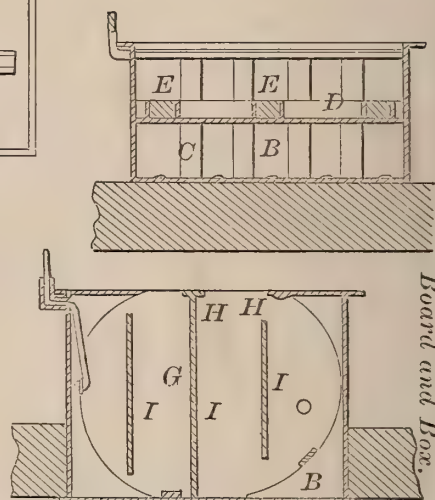
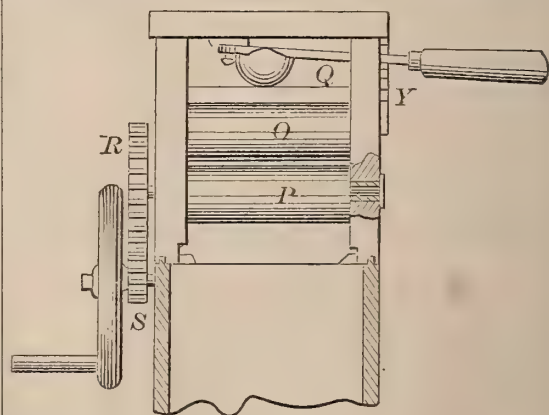
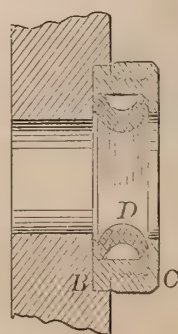
61345—M. C. Leonard—Cartridge Box.



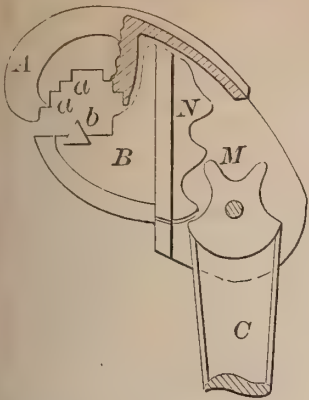
61346—T. J. Marins—Window Shade Supporter.



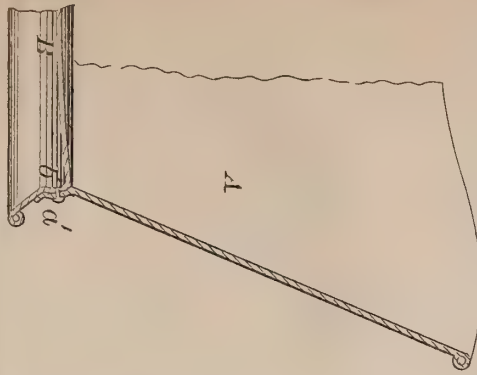


61347—C. Mason—*Quartz Crusher.*61350—I. L. Miles—*Printing on Glass.*61352—G. Palmer—*Washing Machine.*61354—H. Payne, Sr.—*For Preventing Collisions of Locomotives.*61349—H. Mengel—*For Guiding in Cutting out Coats, &c.*61351—D. P. Nickerson—*Vessel Centre Board and Bar.*61353—G. Palmer—*Clothes Wringer.*61348—J. E. McBeth—*Beer Barrel Bung.*

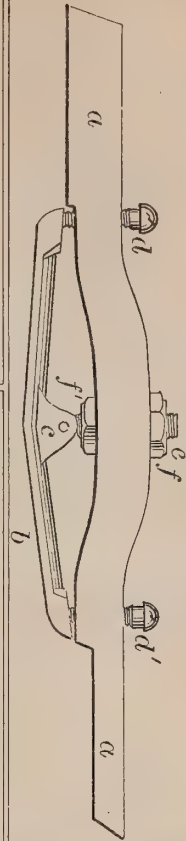
**61355**—J. L. Peake—*Wrench.*



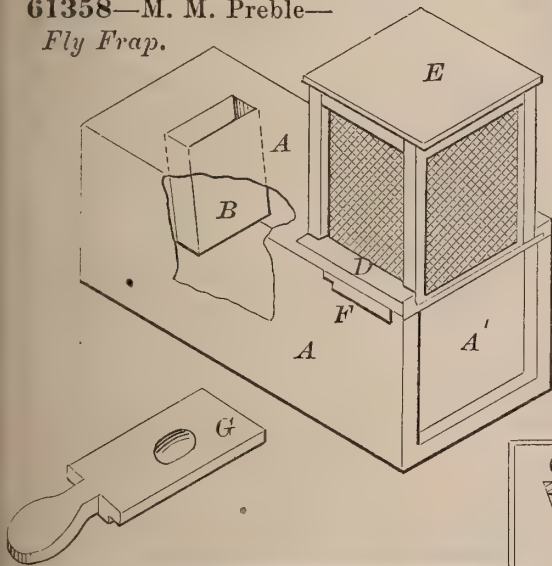
**61356**—J. Pfeifer—*Coal Scuttle.*



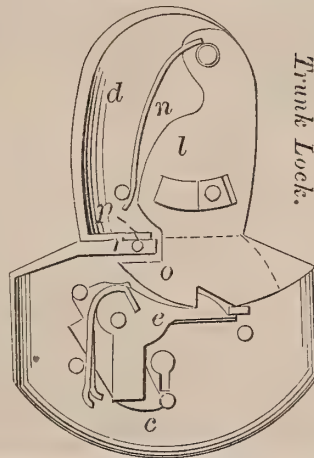
**61357**—Poland & Cotton—*Shuttle Binder for Looms.*



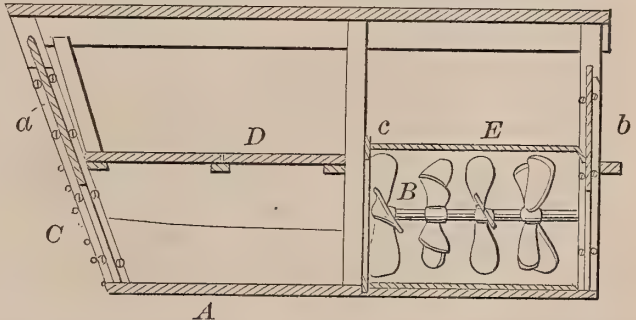
**61358**—M. M. Preble—*Fly Frap.*



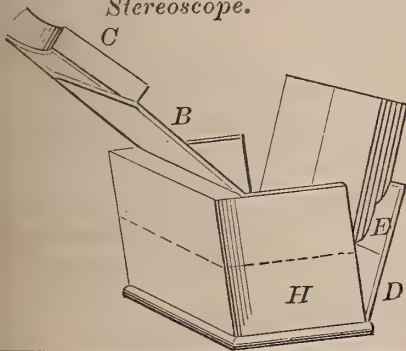
**61361**—E. A. G. Ronstone—*Trunk Lock.*



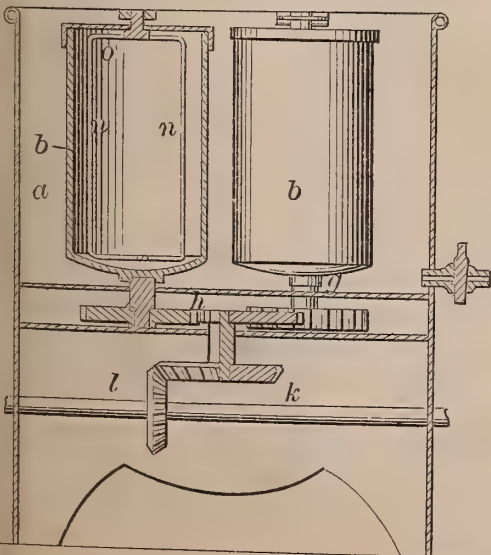
**61362**—A. Rowe—*Portable Water Power.*



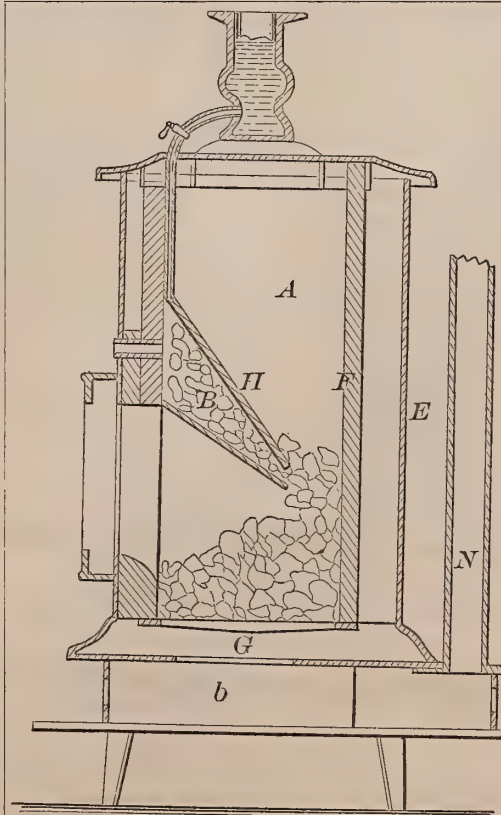
**61359**—De W. S. Rawson—*Stereoscope.*



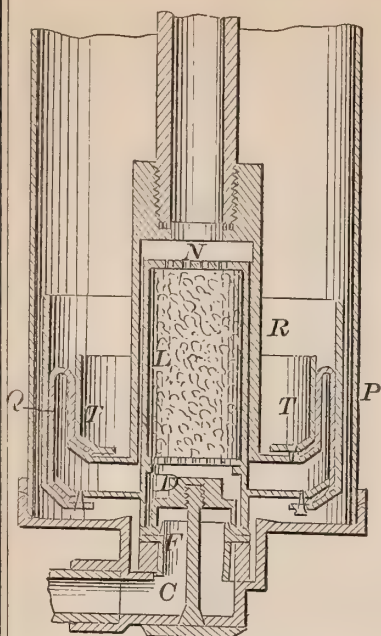
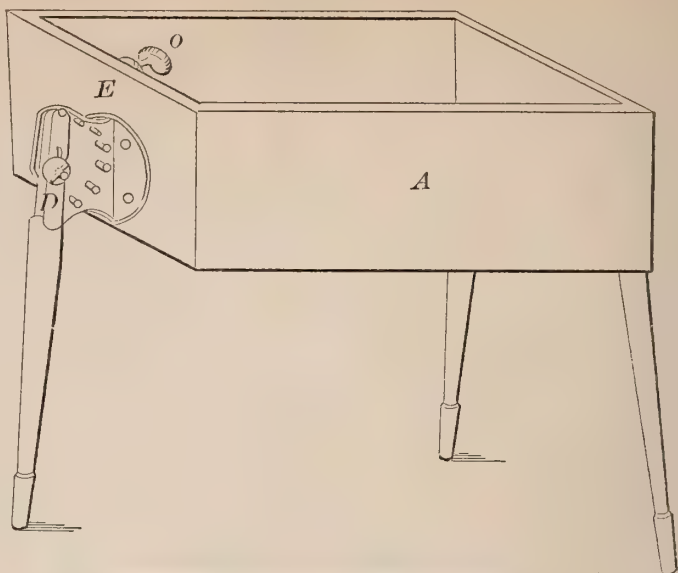
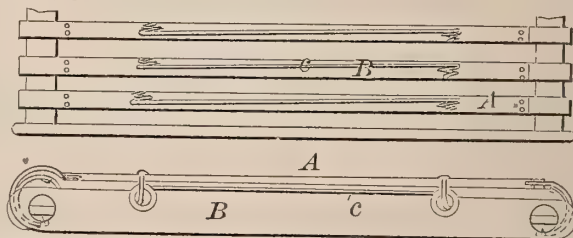
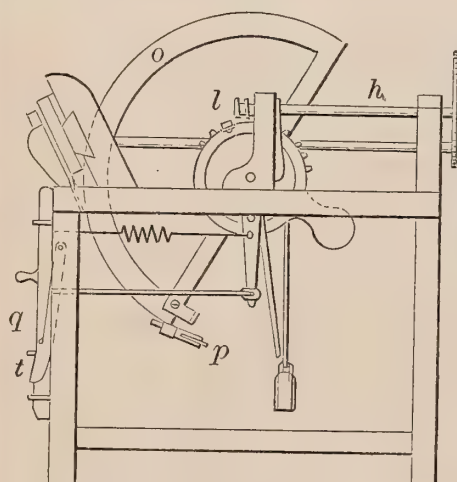
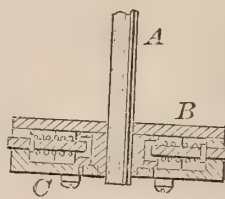
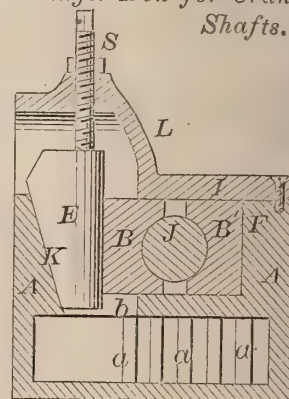
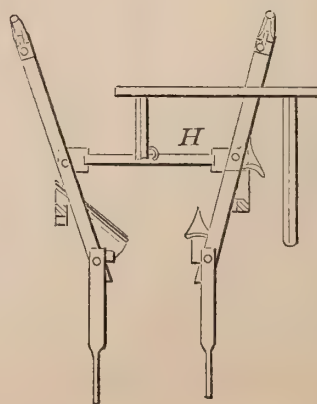
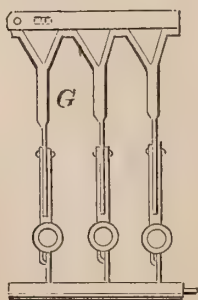
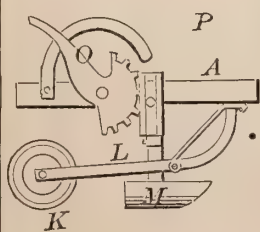
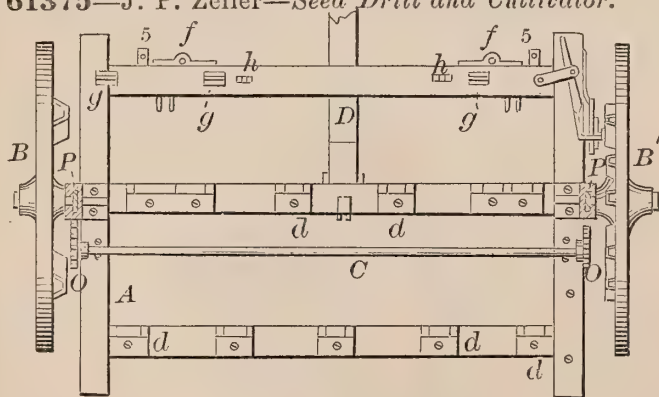
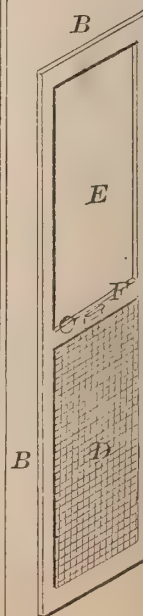
**61360**—J. E. Robinson—*Ice Cream Freezer.*



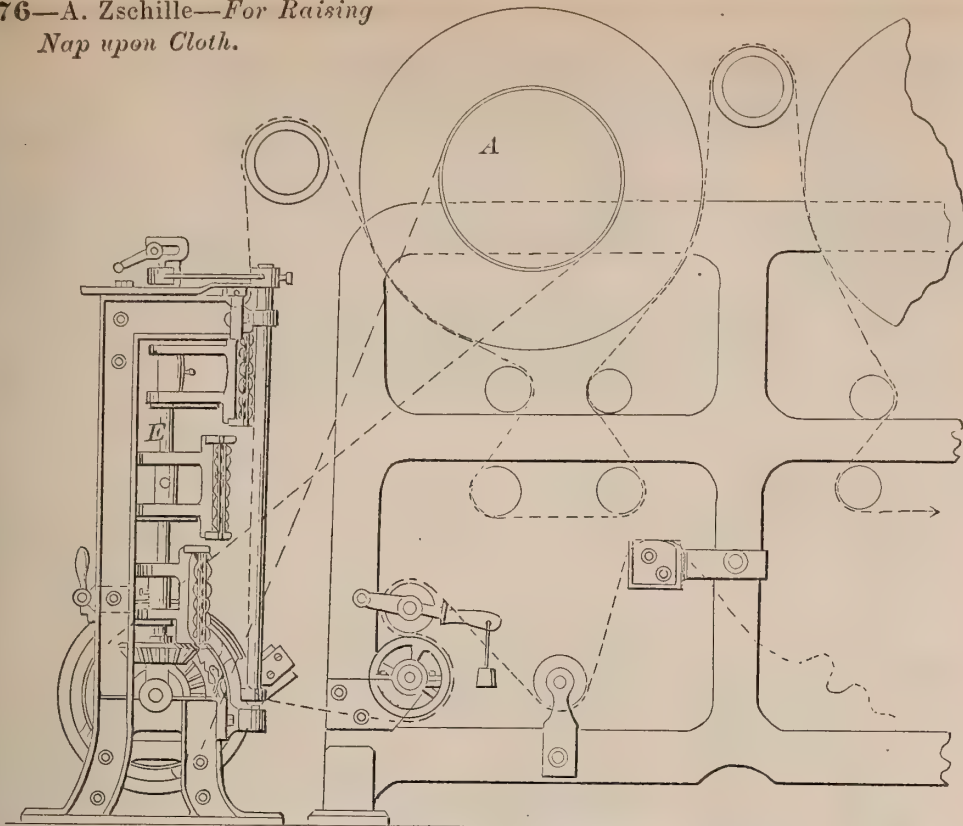
**61365**—C. J. Shepard—*Base Burning Stove.*



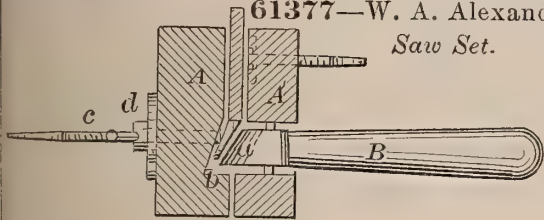


61366—J. N. Smith—*Hydrant.*61372—A. Westcott—*Cheese Vat.*61374—N. J. Willis—*Bed Bottom.*61369—J. P. Ferrell—*Shoe Lastings Machine.*61373—W. D. Whitmore—*Steam Engine Piston.*61370—T. Welch—*Hanger Box for Crank Shafts.*61375—J. P. Zeller—*Seed Drill and Cultivator.*61367—F. U. Stokes—*Railroad Car Screen.*

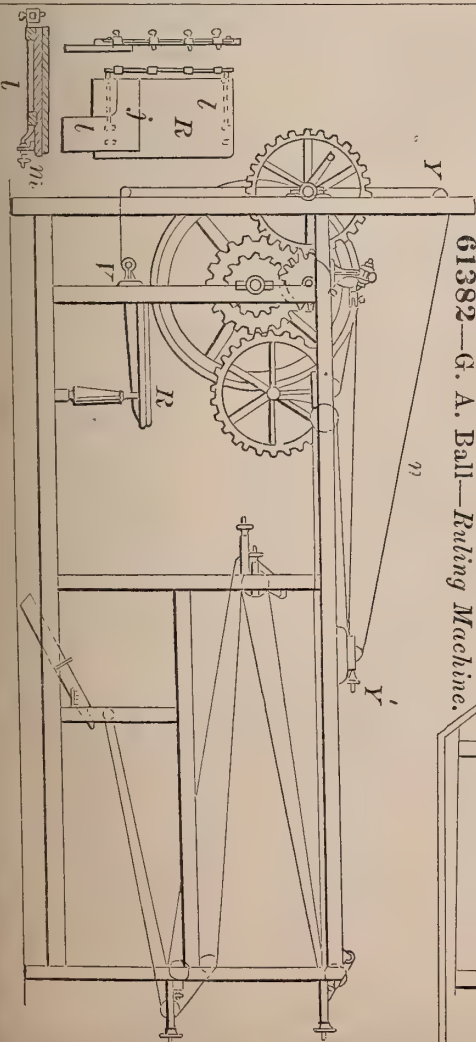
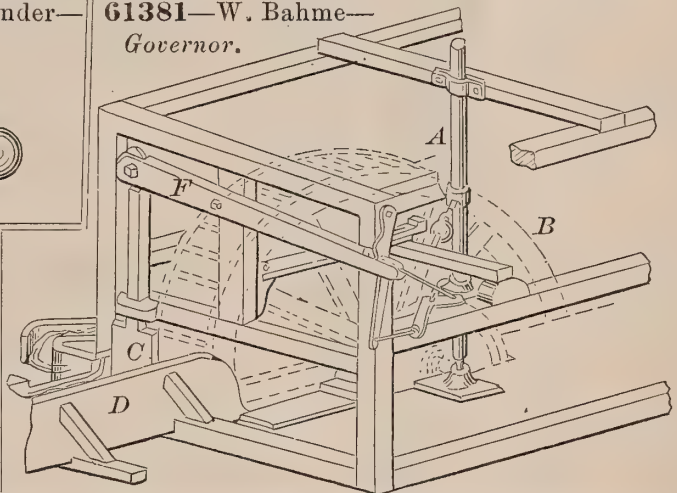
**61376**—A. Zschille—*For Raising Nap upon Cloth.*



**61377**—W. A. Alexander—*Saw Set.*



**61381**—W. Bahme—*Governor.*

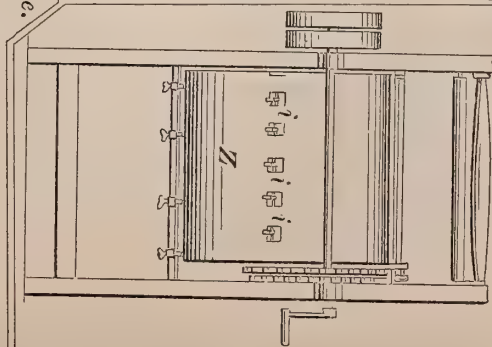


**61382**—G. A. Ball—*Ruling Machine.*

**61380**—W. Bacheller—*Corset and Skirt Supporter.*



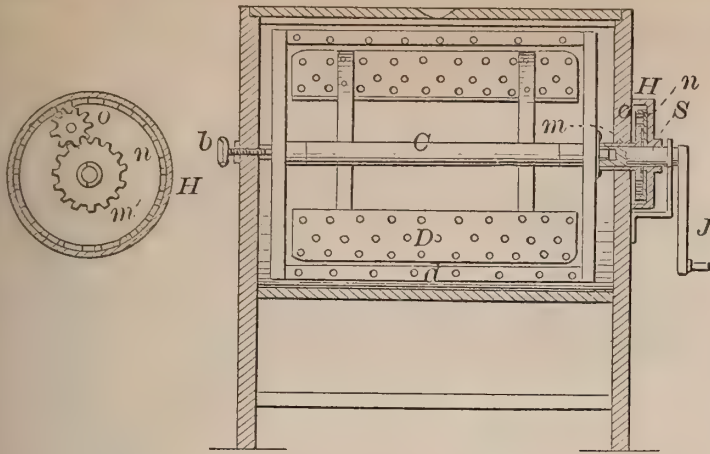
**61383**—A. Bassett—*For Amalgamating Ores.*



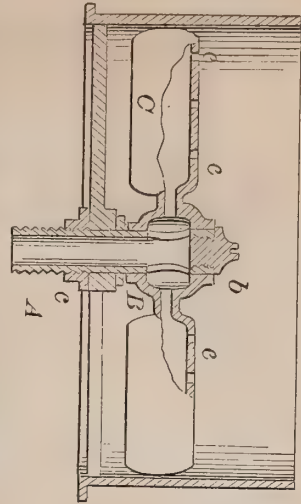




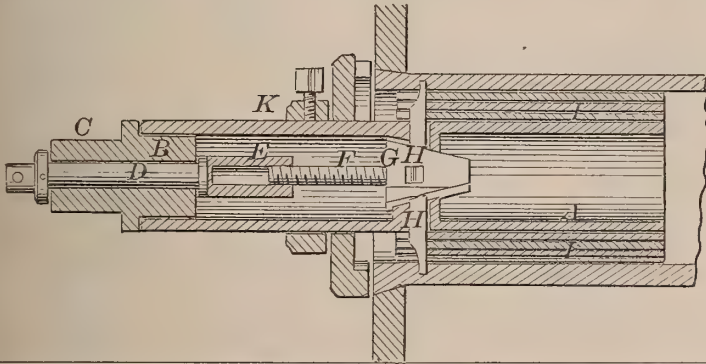
61389—J. Borst—Churn.



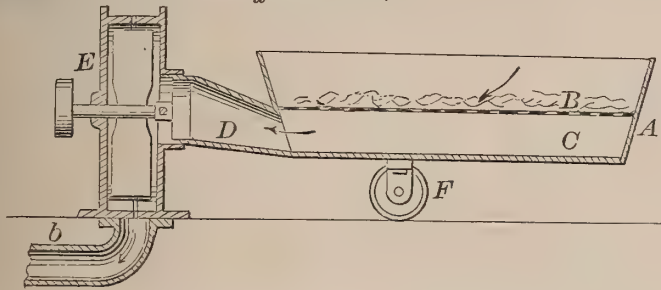
61391—G. W. Bright—Steam Blower.



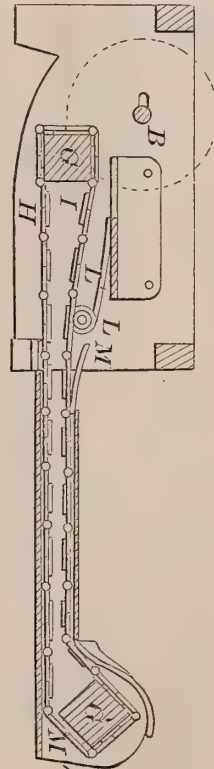
61392—R. H. Burke—Tool for Cutting off Boiler Tubes.



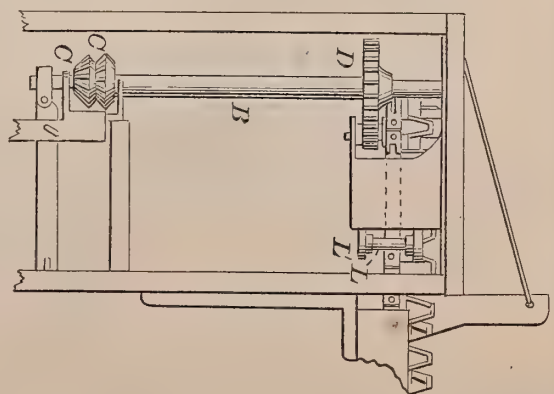
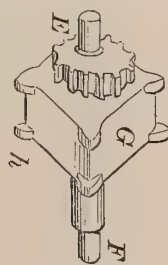
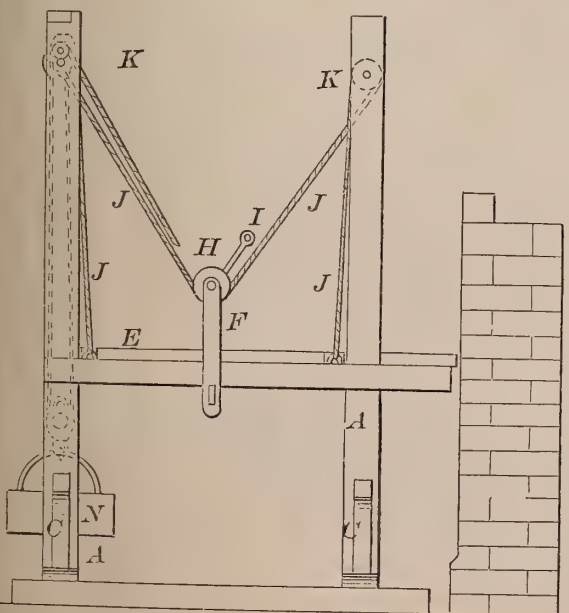
61393—J. Burns—Coffee Cooler, &c.



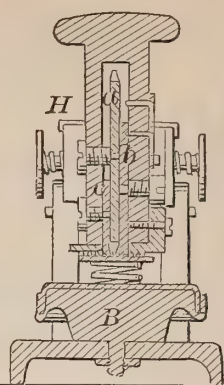
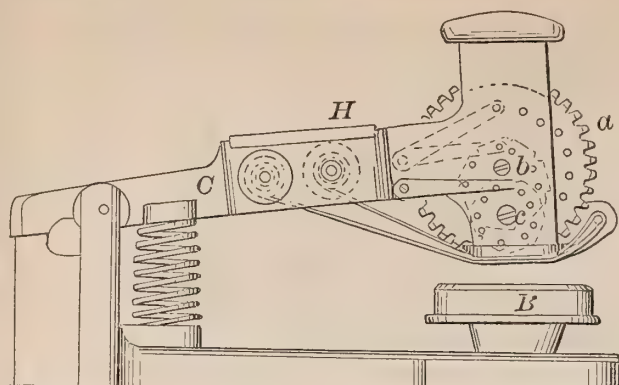
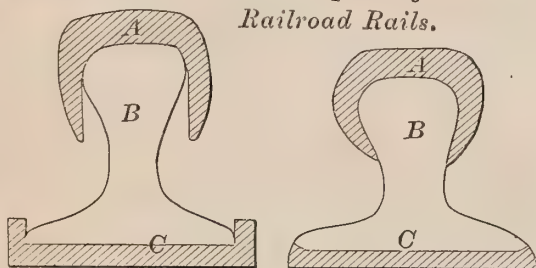
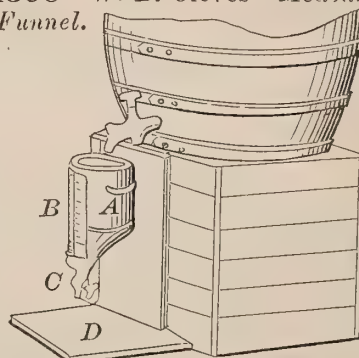
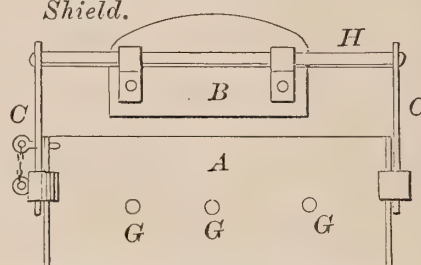
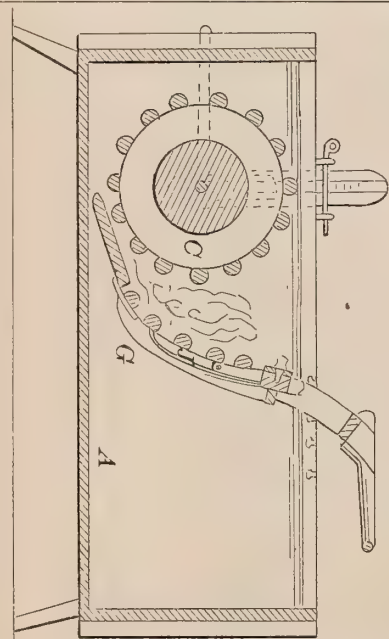
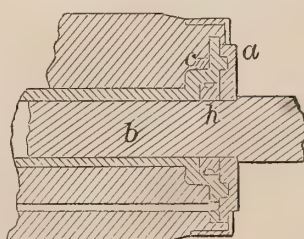
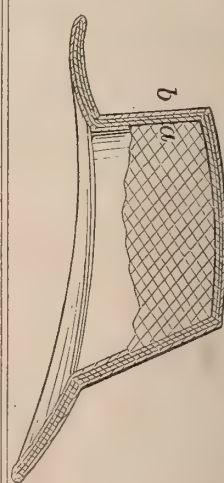
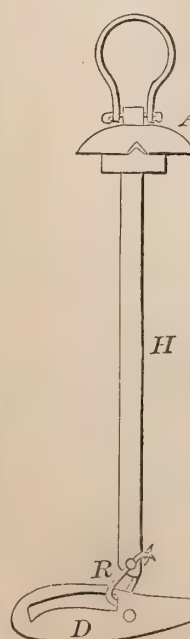
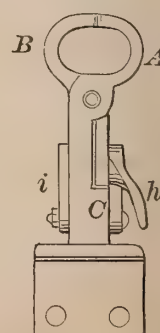
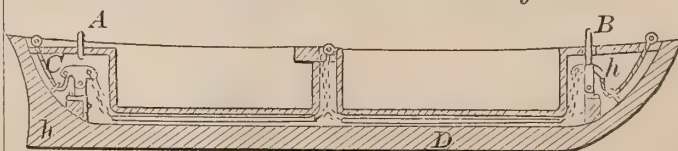
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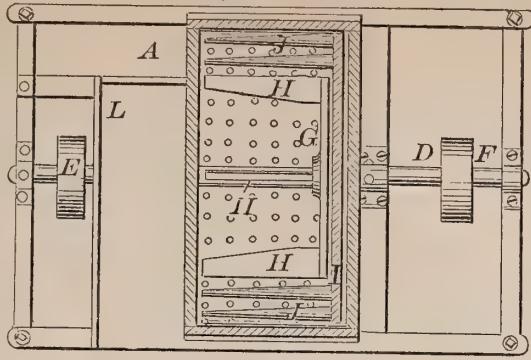
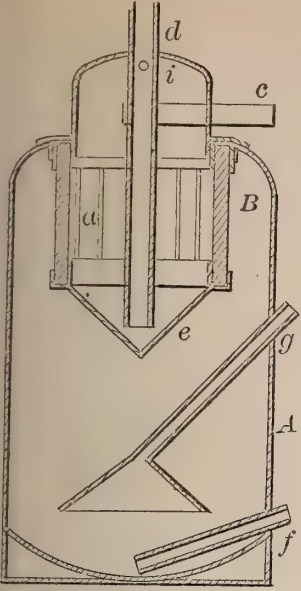
61395—L. B. Carpenter—Scaffold.



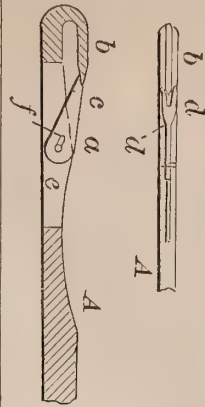


61396—D. H. Chamberlain—*Hand Stamp.*61400—C. C. Cole—*Filtering Tube for Wells.*61397—O. Chanute—*Repairing Railroad Rails.*61398—W. B. Cleves—*Measuring Funnel.*61401—E. S. Collins—*Furnace Shield.*61405—C. Daniel—*Washing Machine.*61402—H. S. Cook—*Wheel and Axle Connection.*61403—E. Copleston—*Head Covering.*61399—W. B. Coates—*Car Coupling.*61406—W. A. Devon—*Boat Detaching Tackle.*

**61411**—S. Fay—*Cotton Opening and Cleaning Machine.*

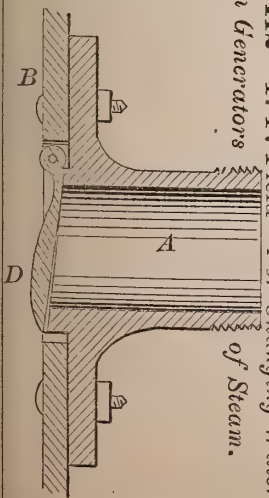


**61413—L. W. Fife**—Knitting Machine Needle.



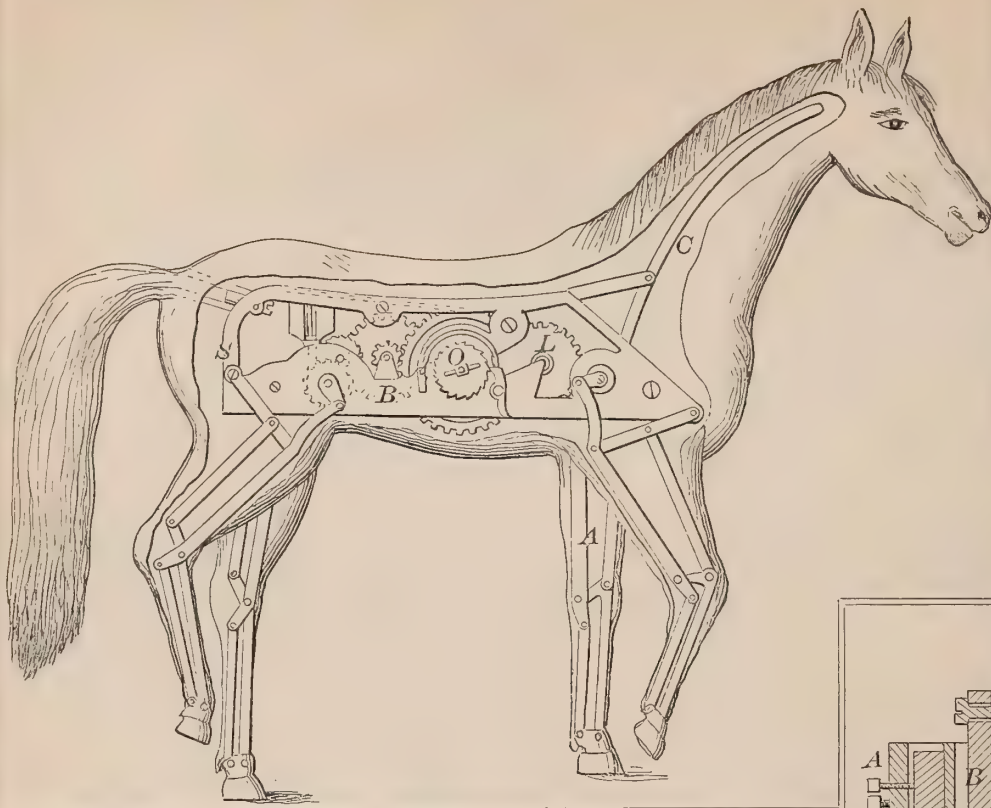
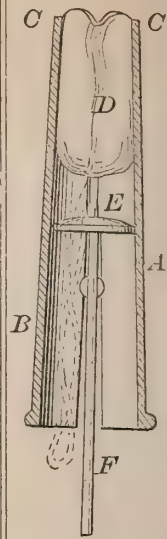
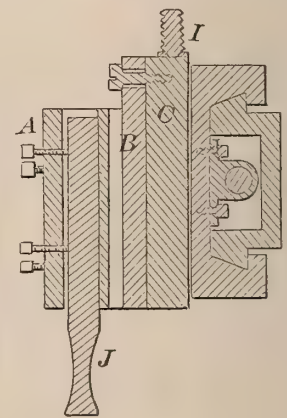
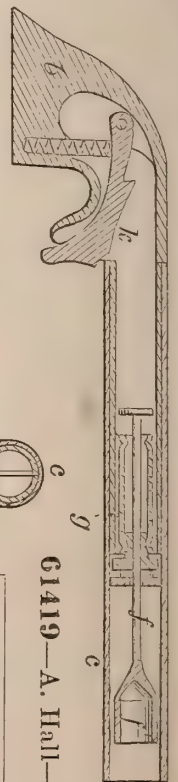
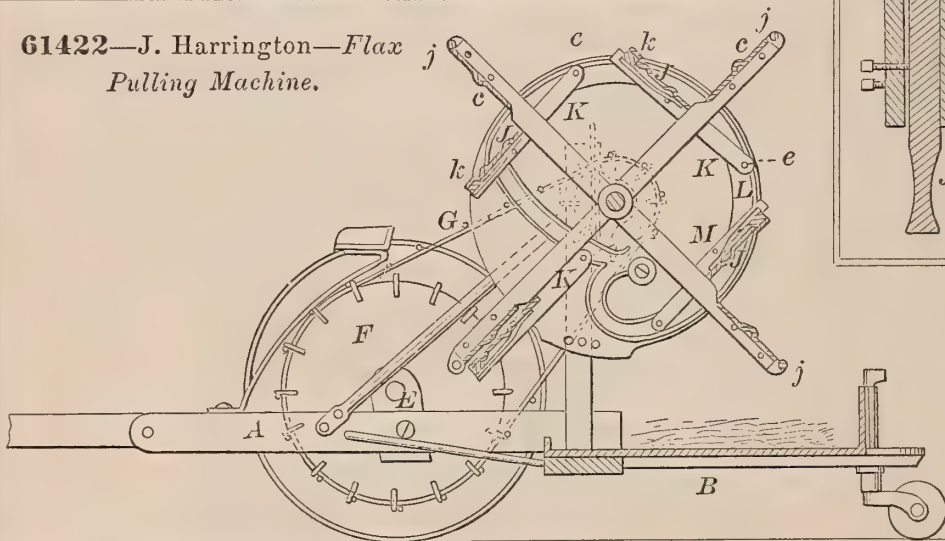
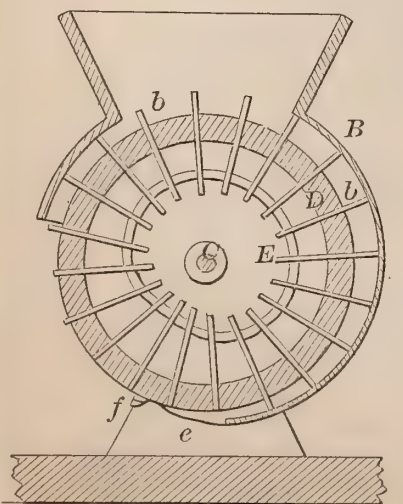
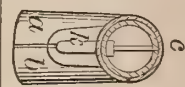
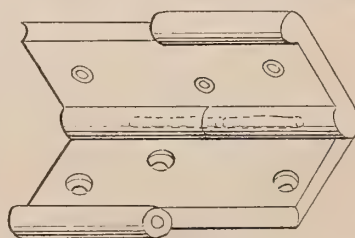
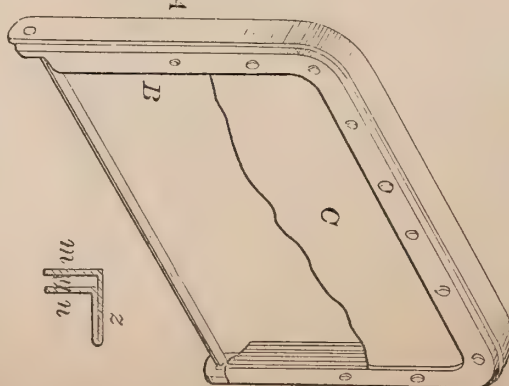
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61412—T. F. Field—*For Changing Water in Generators of Steam.*

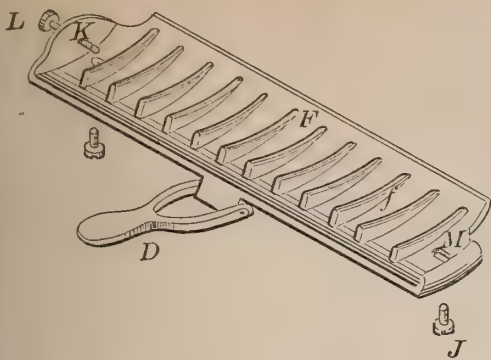


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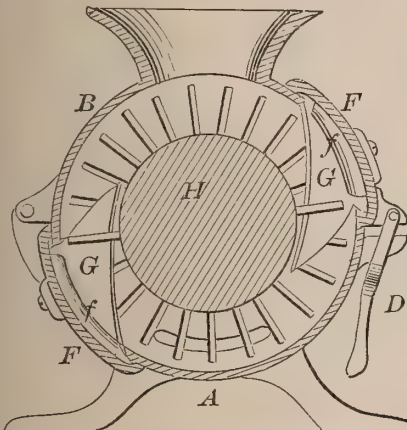
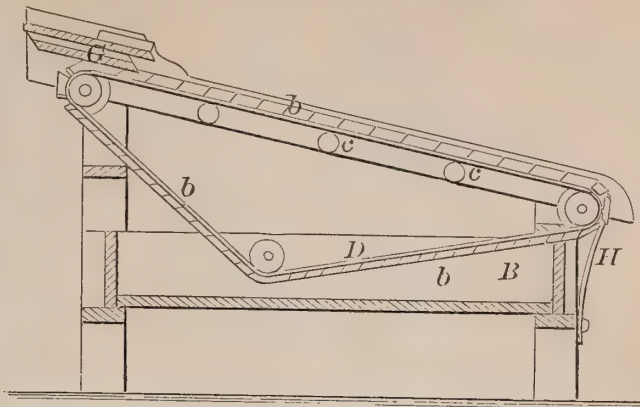


61416—W. F. Goodwin—*Automatic Toy.*61417—W. G. Grant—*Uterine Support Director.*61420—C Hall—*Tool Holder for Planing Machines.*61422—J. Harrington—*Flax Pulling Machine.*61418—S. B. Greacen—*Peat Machine.*61421—W. Hancock—*Hinge.*61419—A. Hall—*Toy Gun.*61423—G. Havell—*Bag Frame.*

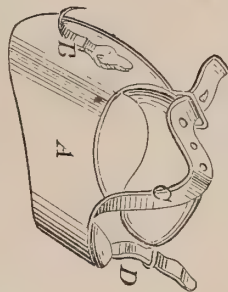
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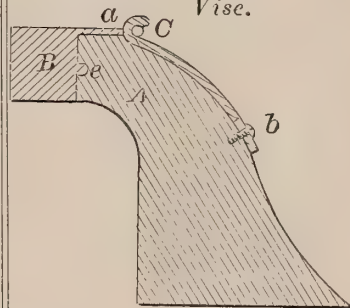
61426—T. D. & W. A. Hedger—*Revolving Sluice for Saving Metals.*



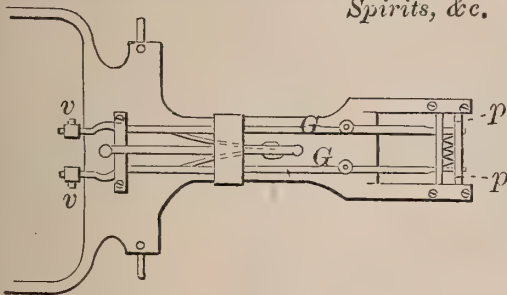
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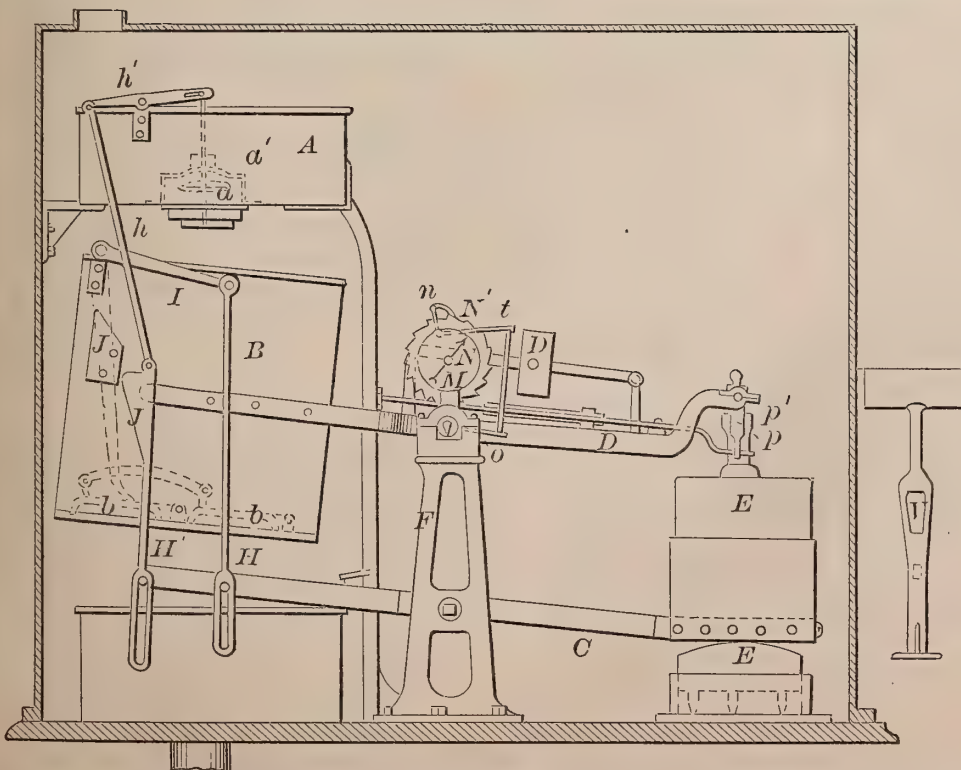
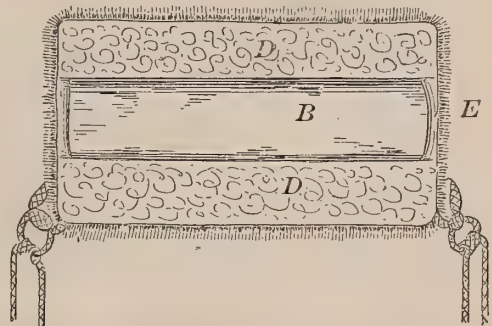
61429—J. S. Hoar—*Bench Vise.*



61425—S. K. Hawkins—*For Weighing Spirits, &c.*

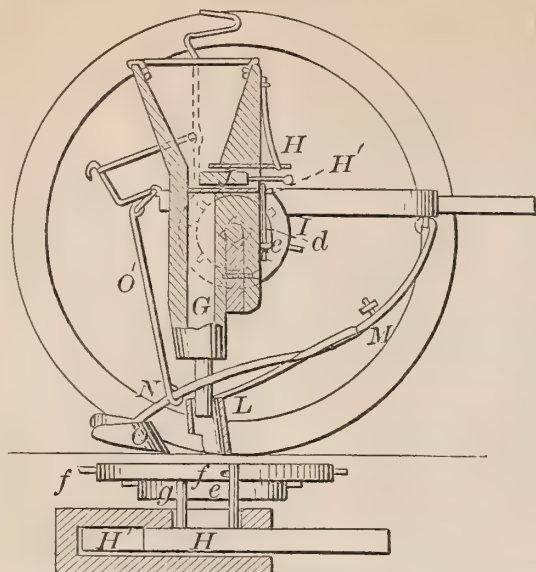


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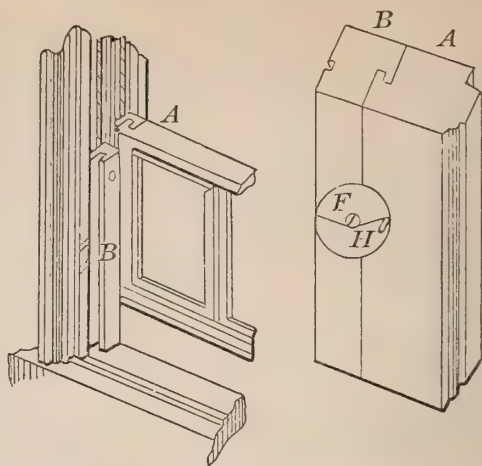




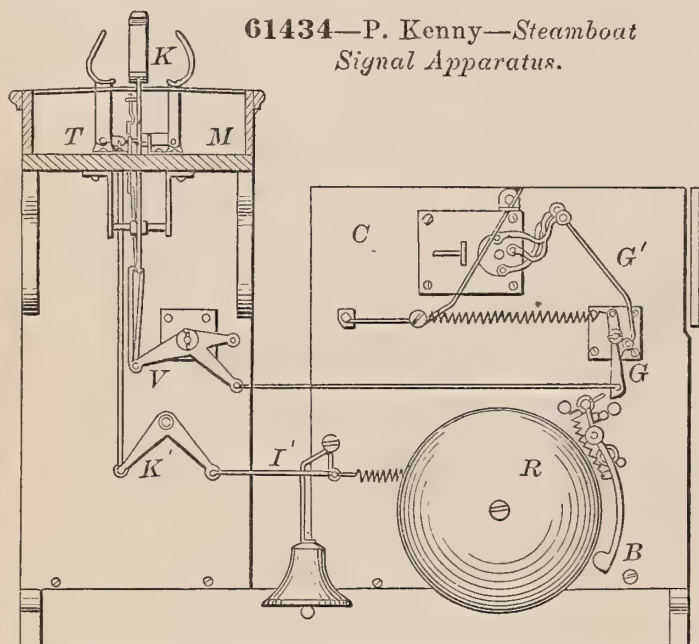
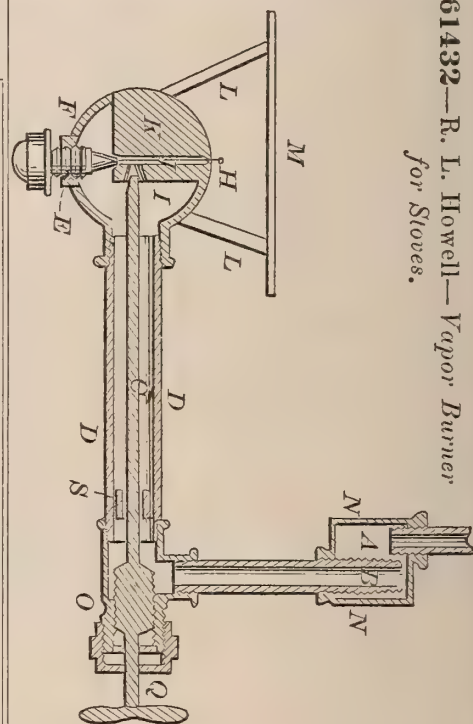
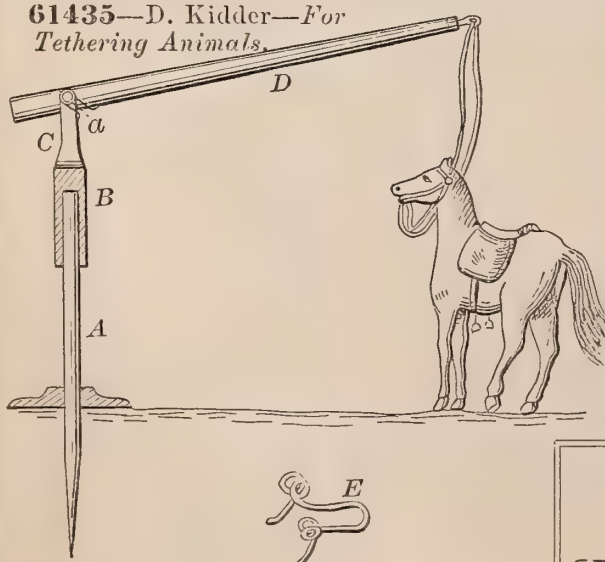
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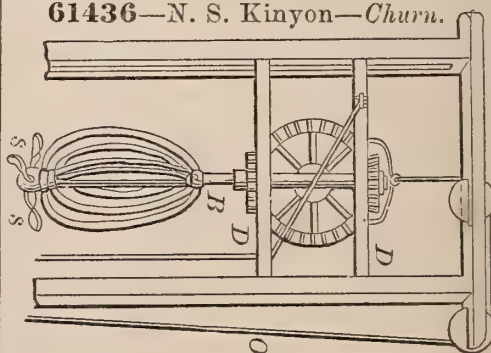
61433—A. Iske—Sash and Fastener.



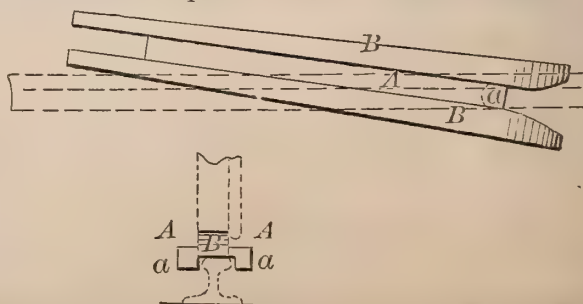
61434—P. Kenny—Steamboat Signal Apparatus.

61432—R. L. Howell—Vapor Burner  
for Stoves.61435—D. Kidder—For  
Tethering Animals.

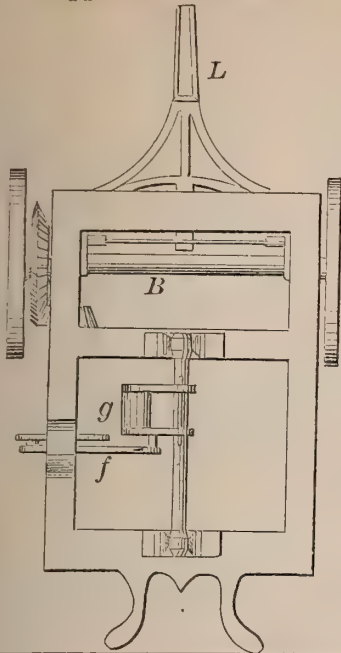
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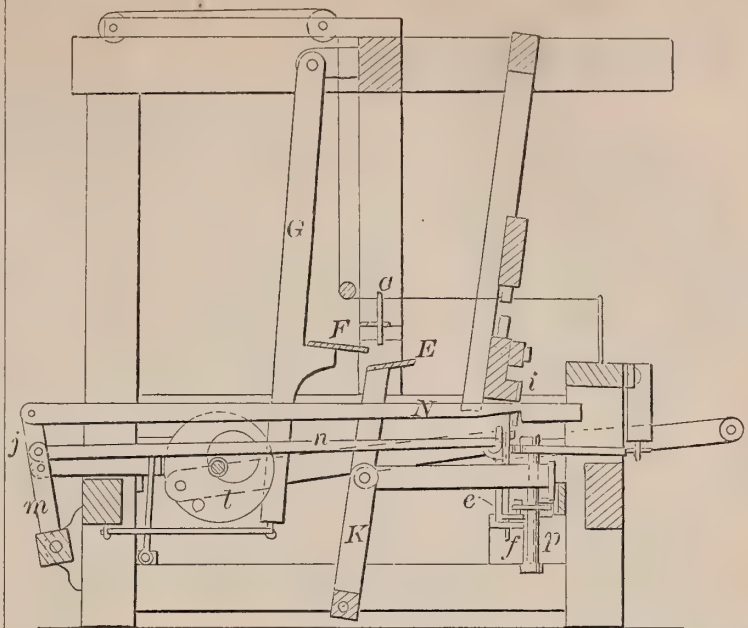
61437—Lape &amp; Leathe—Railroad Switch.



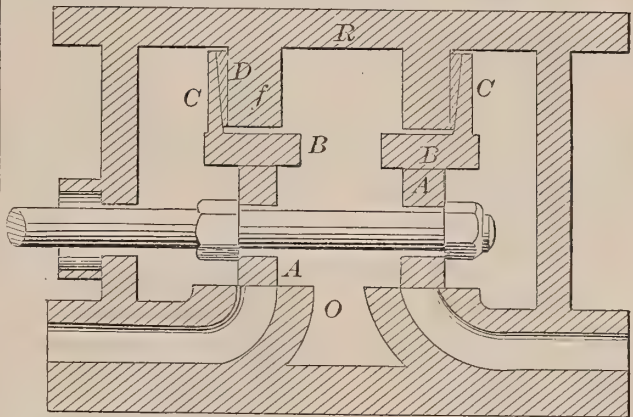
61438—D. P. Lewis—Cotton Chopper and Thinner.



61439—A. J. Loiseau—Stop Motion for Looms.



61441—Lynn & Snowden—Slide Valve.



61443—B. F. Miller—Stove Pipe Radiator.

Fig. 1

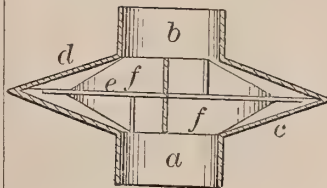
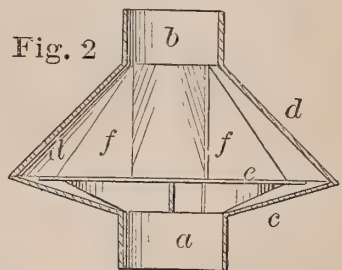
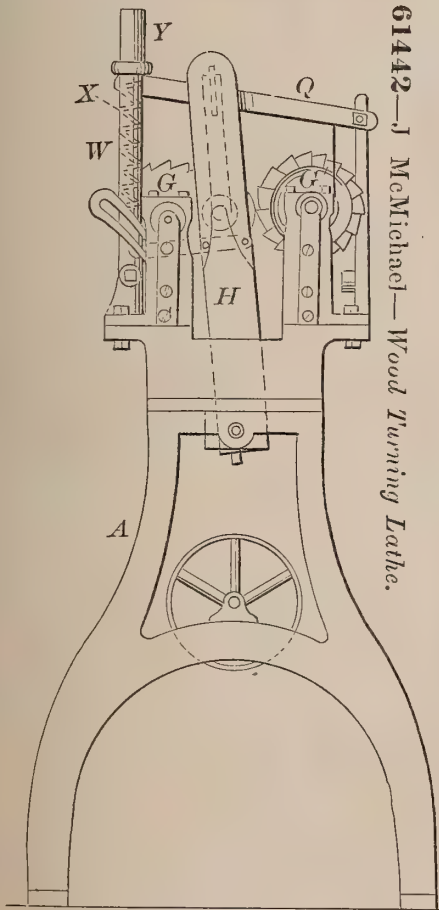


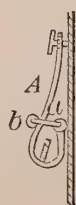
Fig. 2



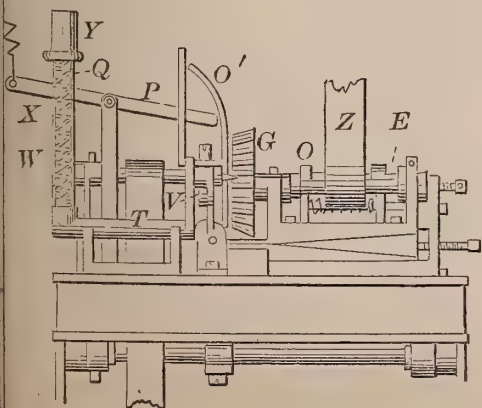
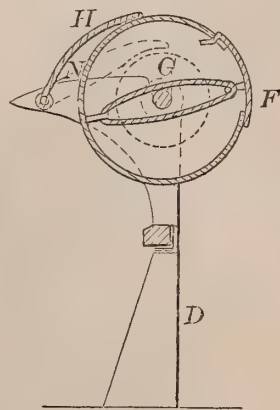
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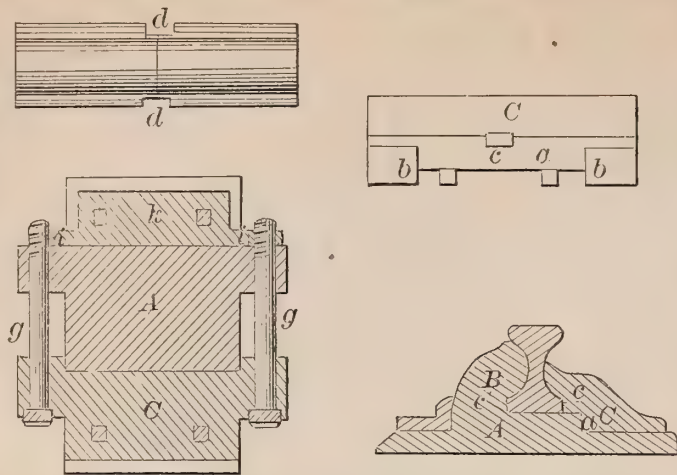
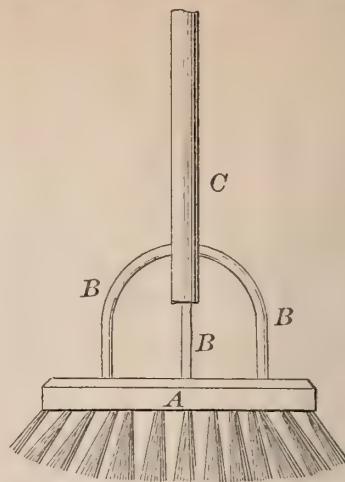
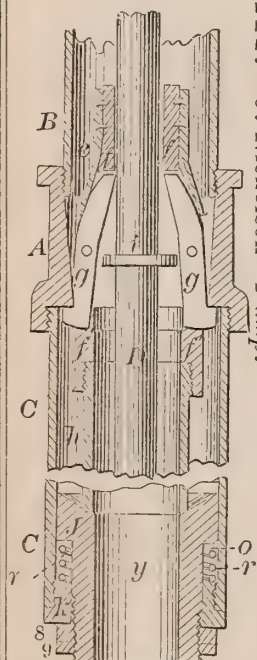
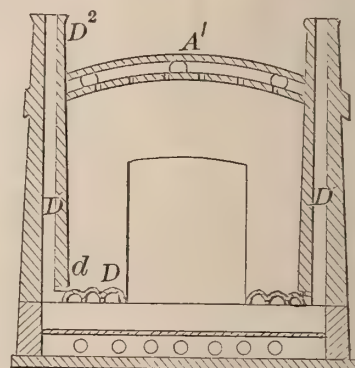
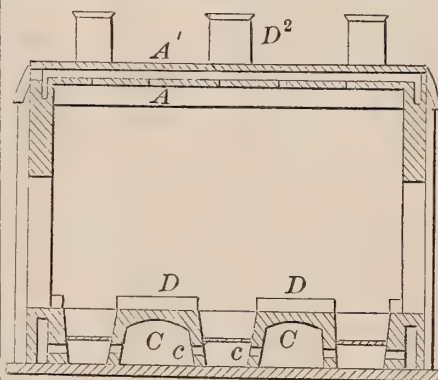
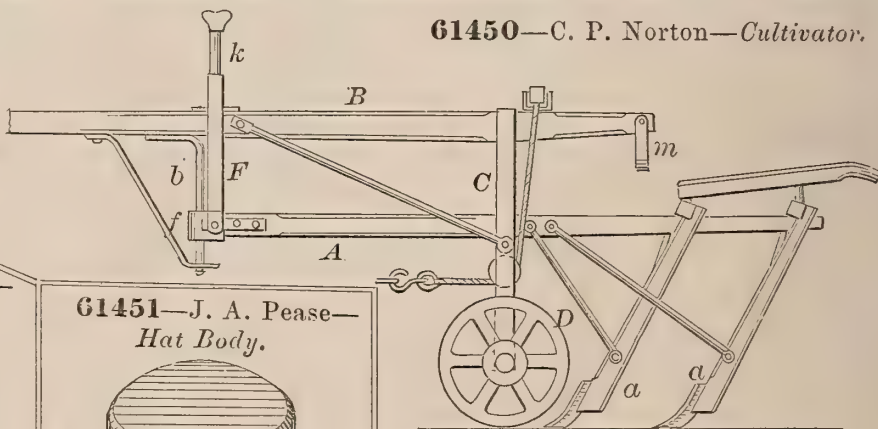
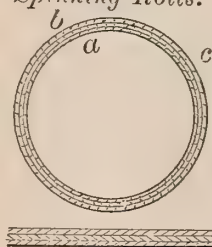
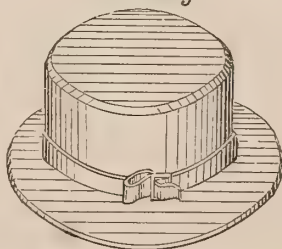
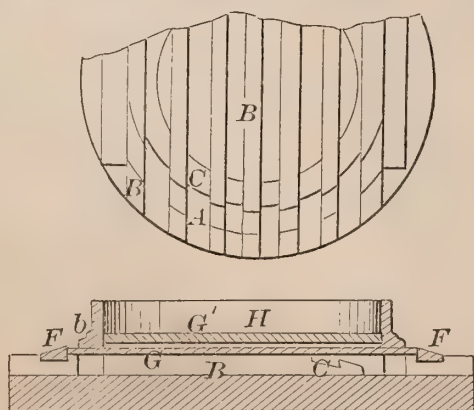
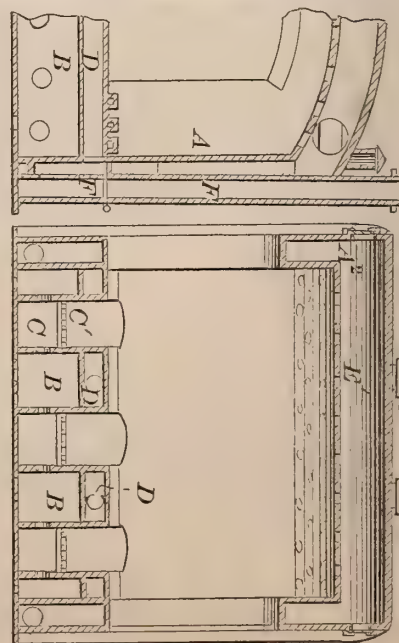
61440—E. Loiseau—For Holding Shirts together.



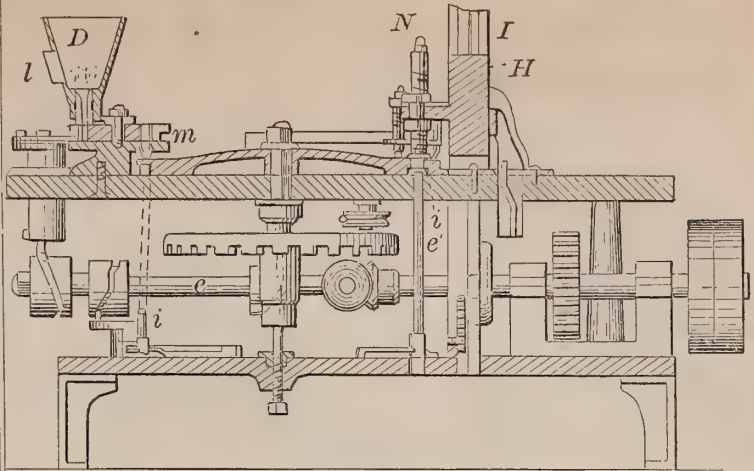
61444—Mosley & Woolley—Copy Holder.



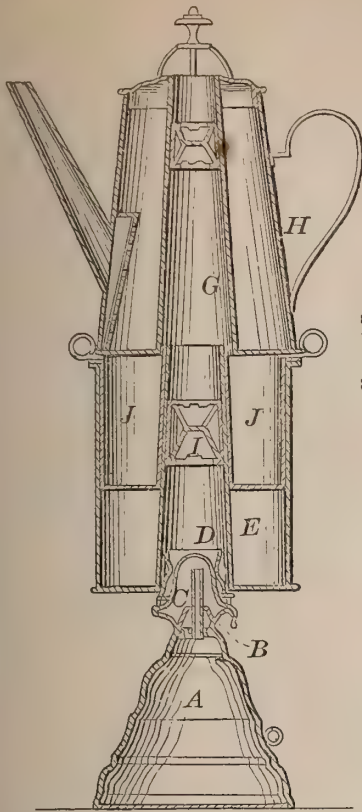


61445—M. C. Murray—*Railway Chair*.61446—H. E. Newton—*Broom*.61447—J. Nicholson—*Pump*.61448—Norman & Dieterichs—*Brick Kiln*.61450—C. P. Norton—*Cultivator*.61452—E. L. Perry—*Cot or Covering for Spinning Rolls*.61451—J. A. Pease—*Hat Body*.61453—Pierce & Button—*Oil Tank*.61449—Norman & Dieterichs—*Brick Kiln*.

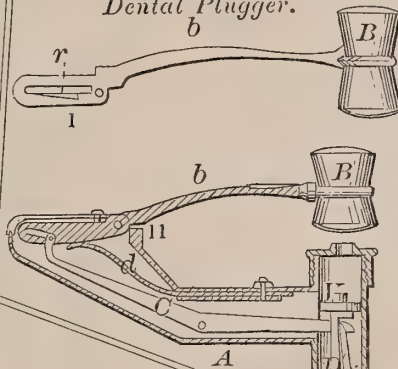
61456—T. J. Powers—Cartridge Filling Machine.



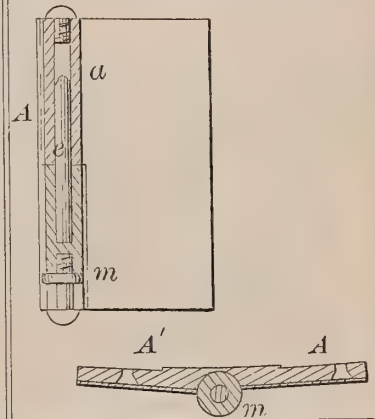
61454—L. A. Plumb—Lamp, Coffee Pot and Boiler.



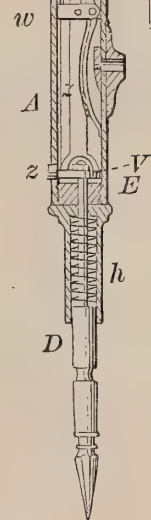
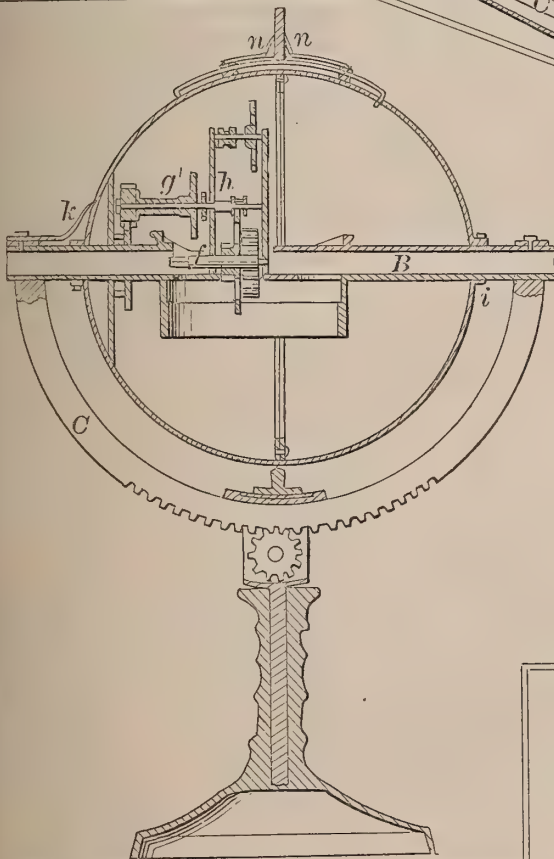
61460—W. G. Redman—Dental Plugger.



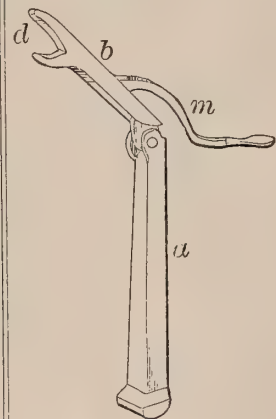
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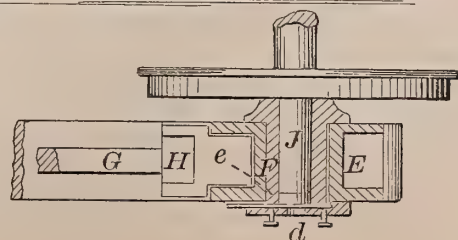
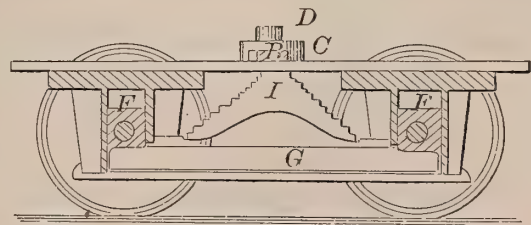
61459—S. E. G. Rawson—Globe Clock.



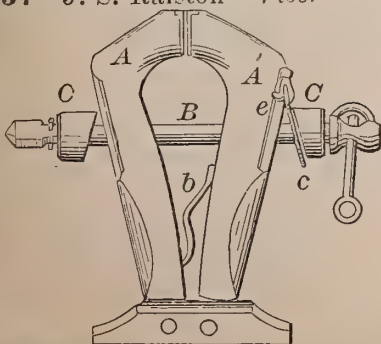
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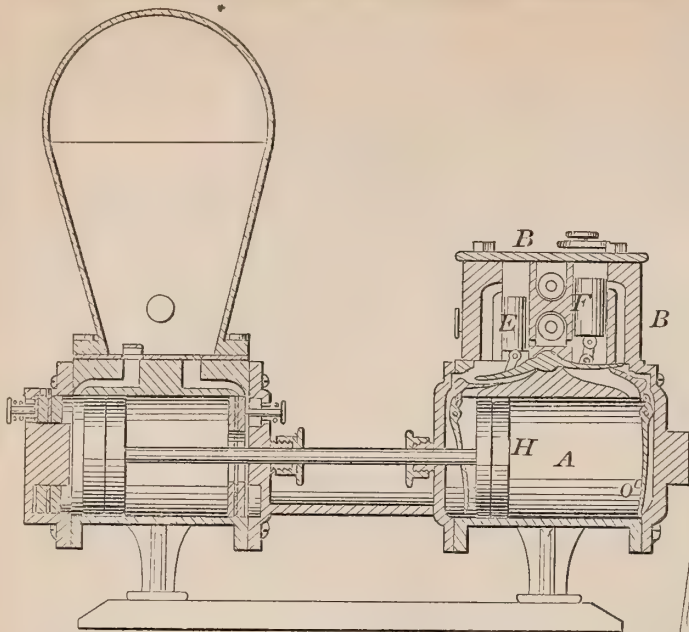
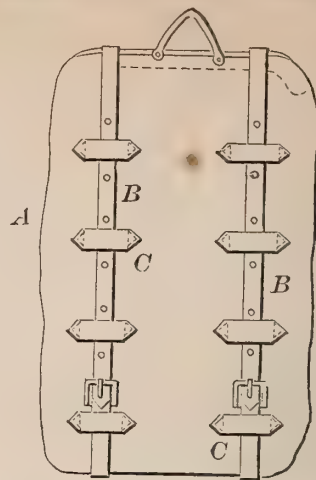
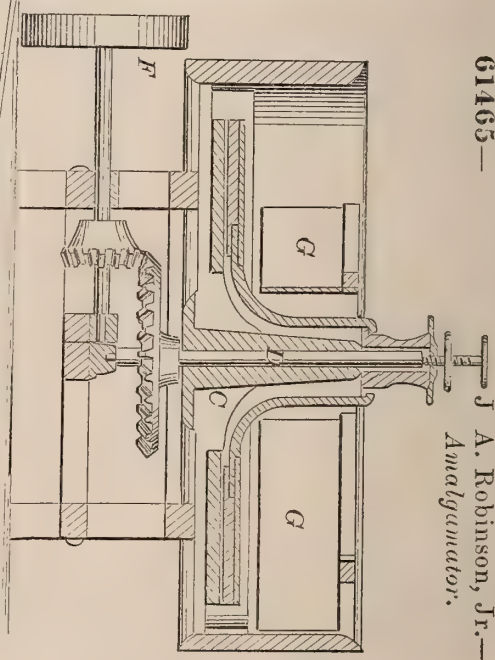
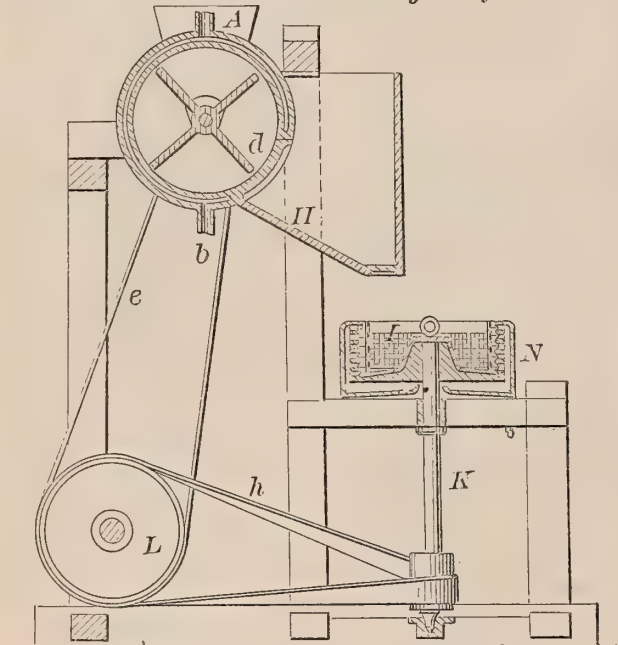
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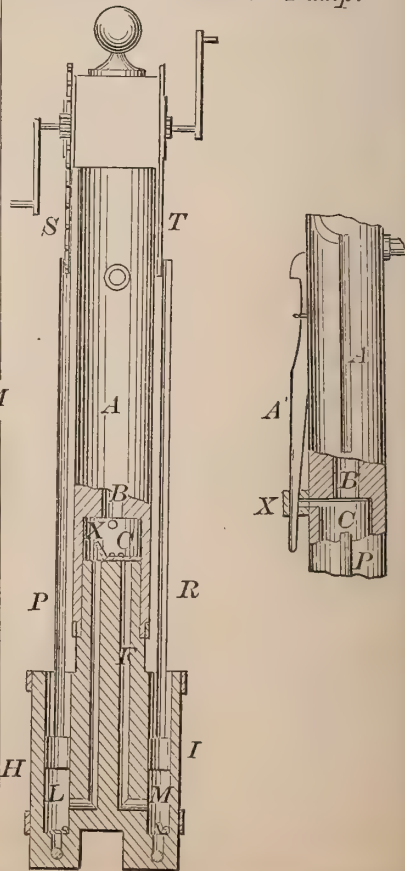
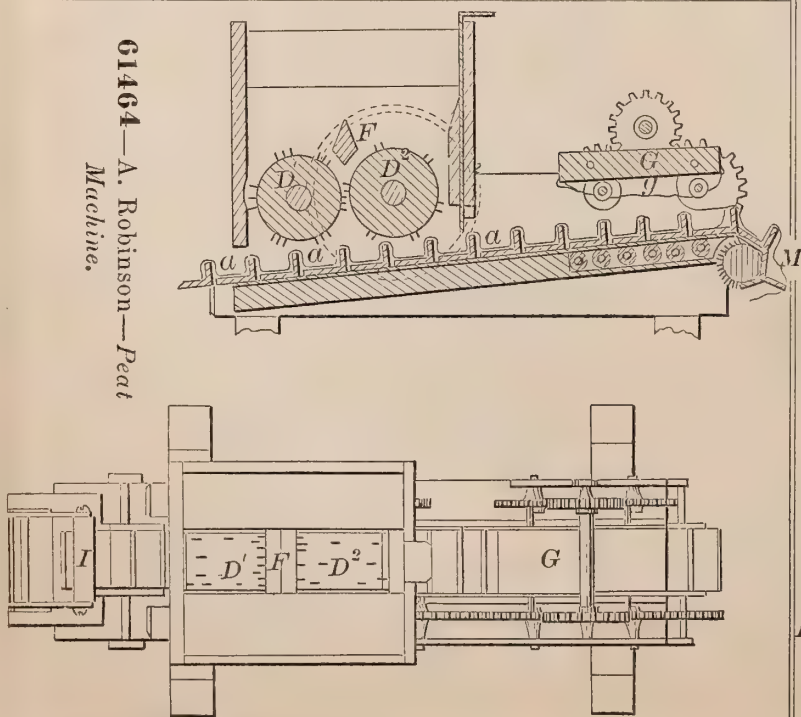
61457—J. S. Ralston—Vise.



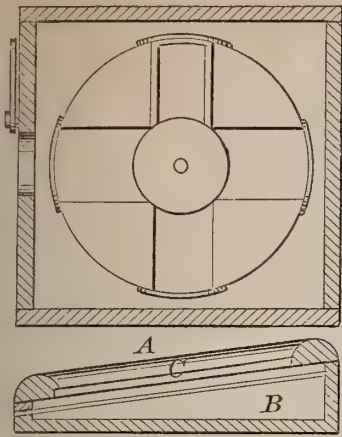


61462—Richardson & Pond—*Engine Valve Gear.*61467—A. Rose—*Carpet Sack.*61463—J. Robertson—*Extracting Oil from Seeds.*

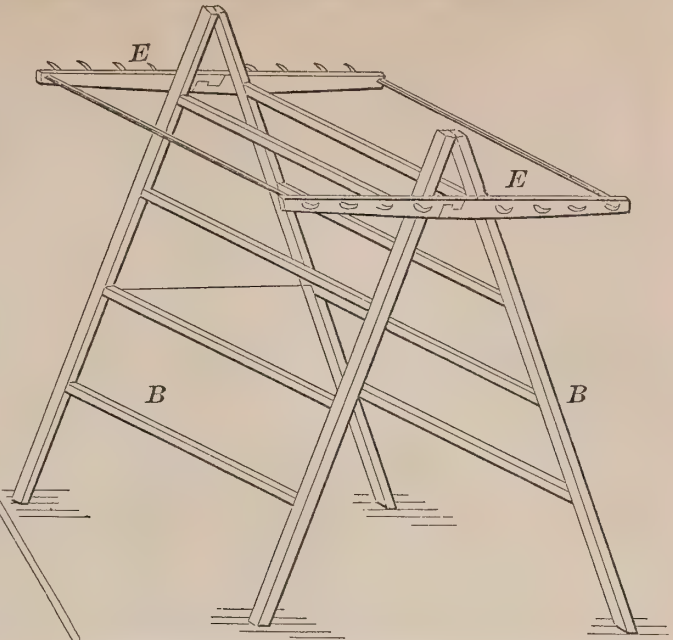
61465—

J. A. Robinson, Jr.—  
Analyzer.61468—J. Ross—*Pump.*61464—A. Robinson—*Peat Machine.*

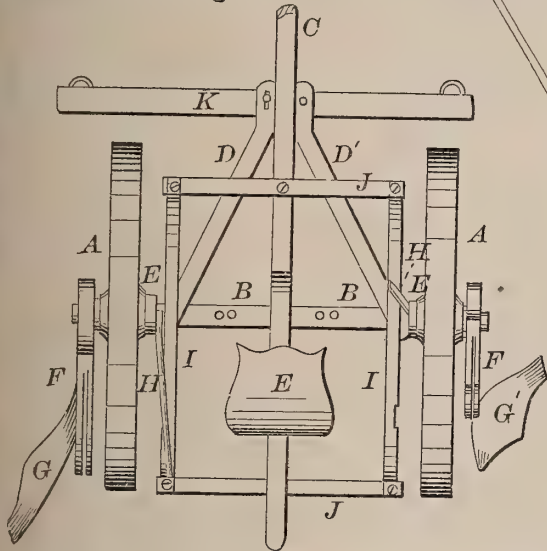
**61469**—Rowell & Mills—*Mounting Photographs.*



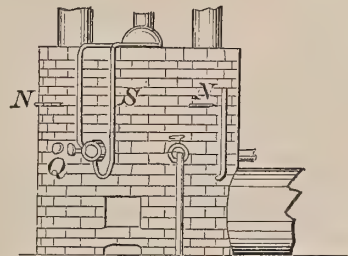
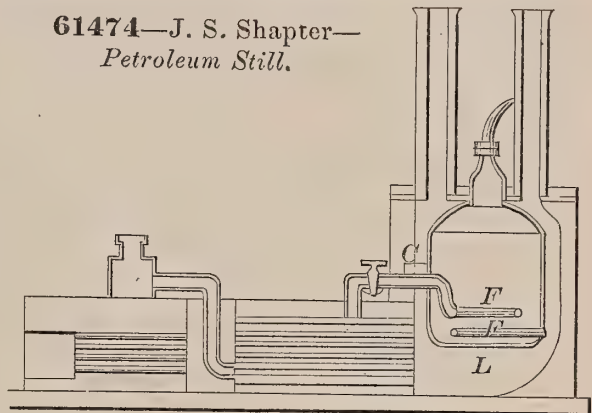
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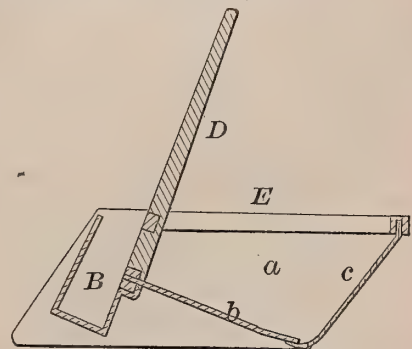
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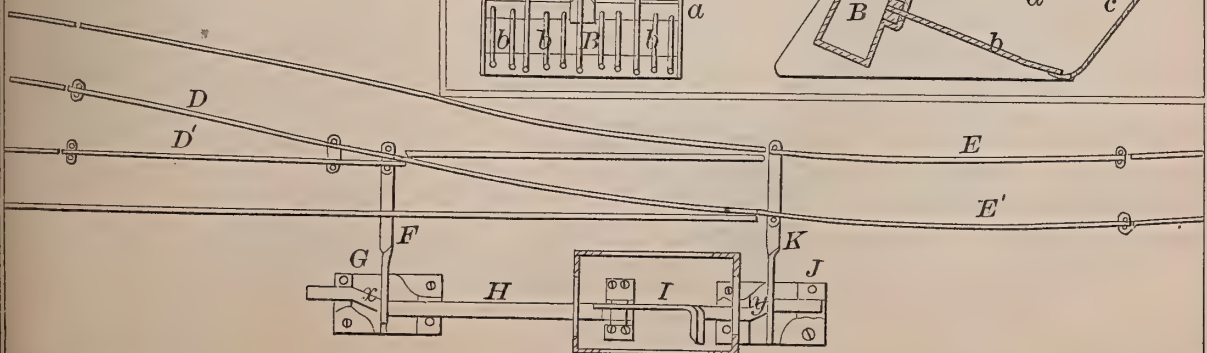
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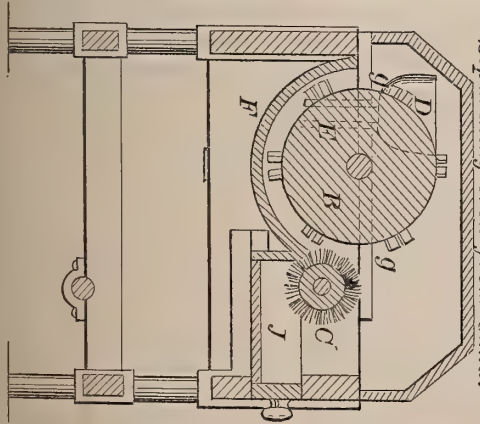
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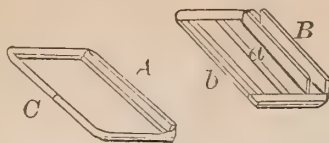
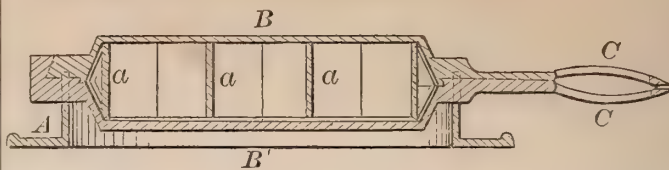
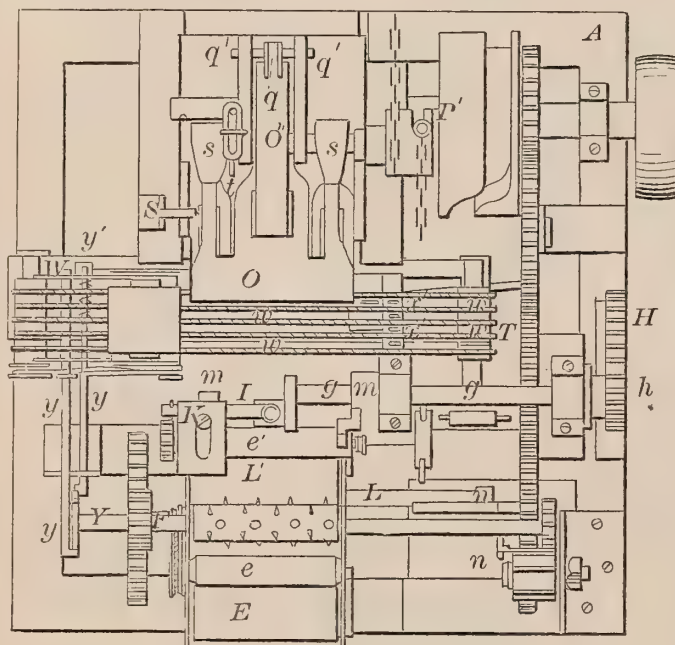
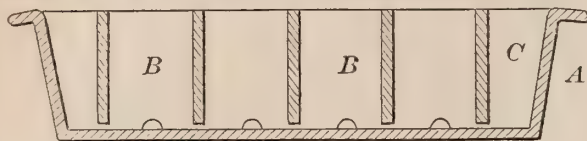
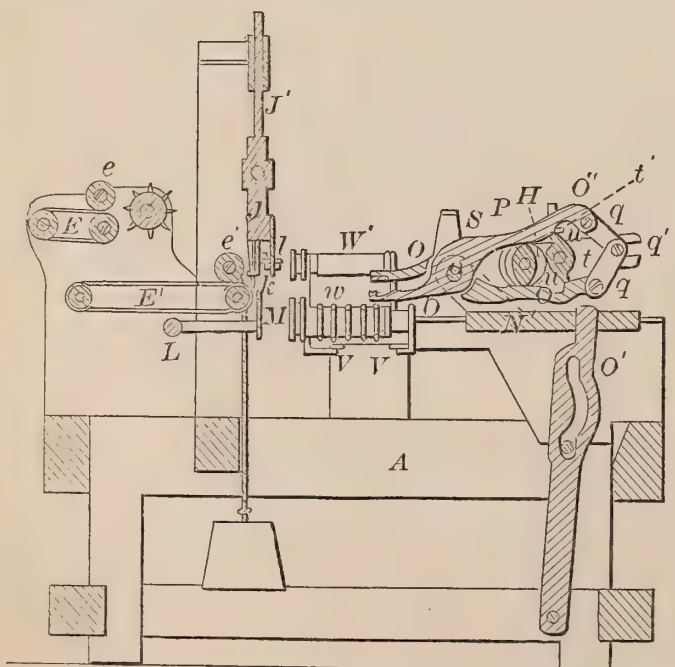
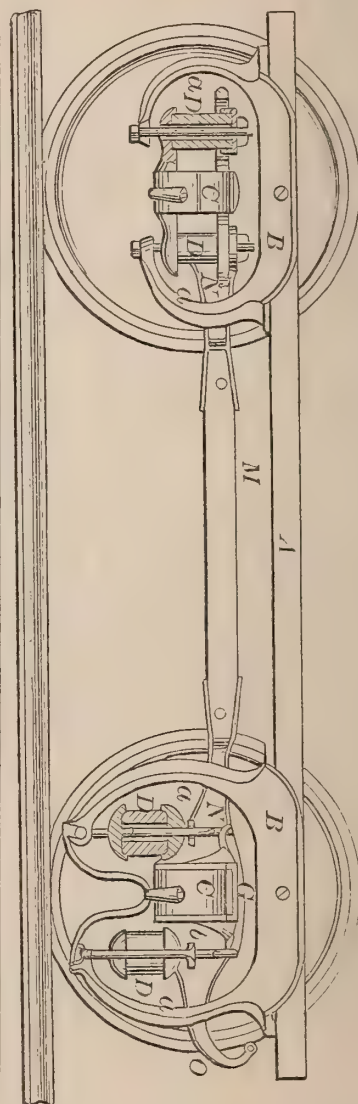
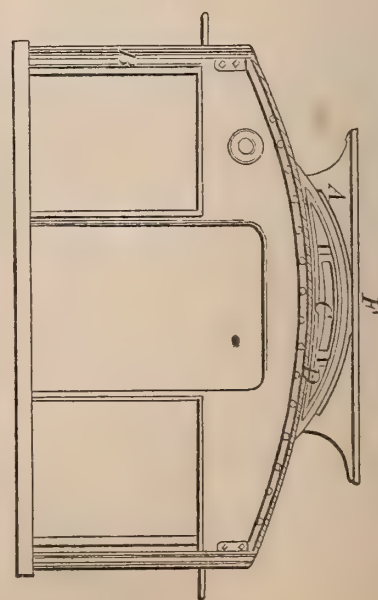
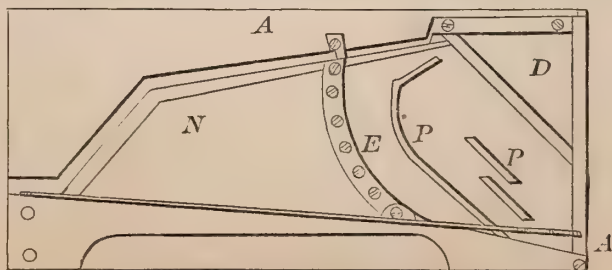
**61475**—Shiverick & Calkins—*Railroad Switch.*



**61471**—G. H. Sanborn—*For Separating Iron from Sand.*

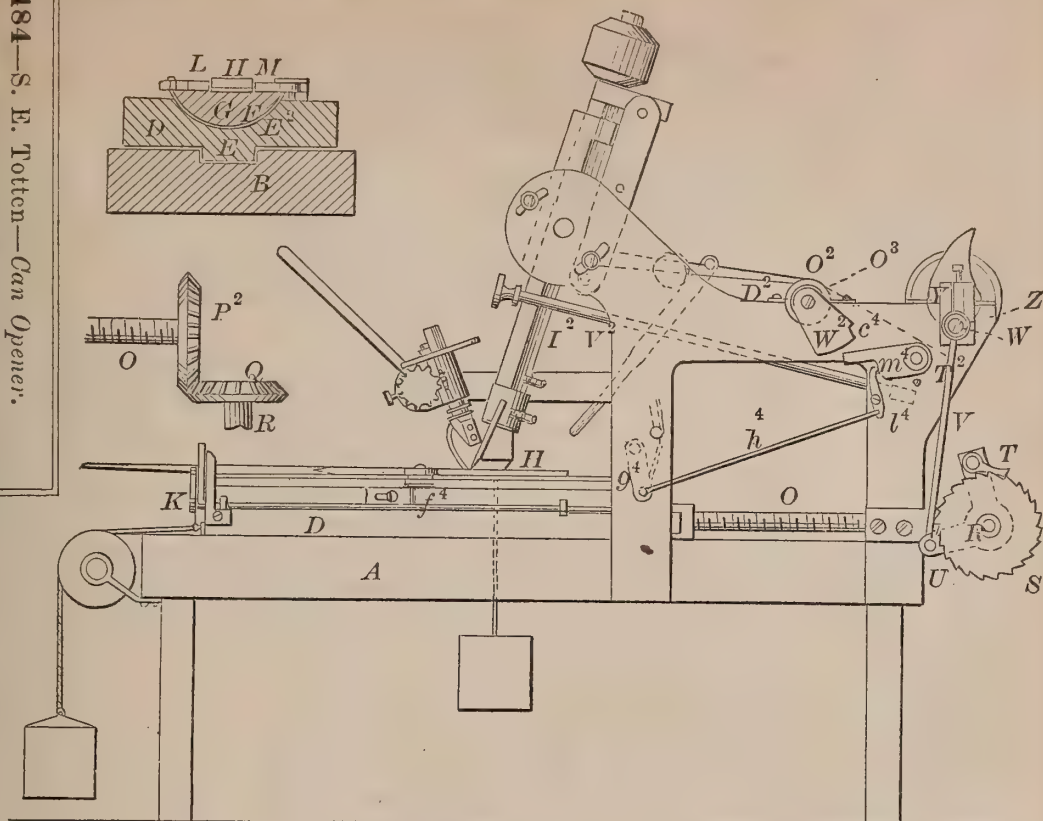
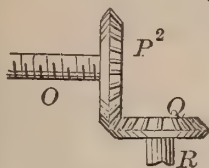
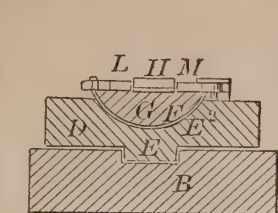




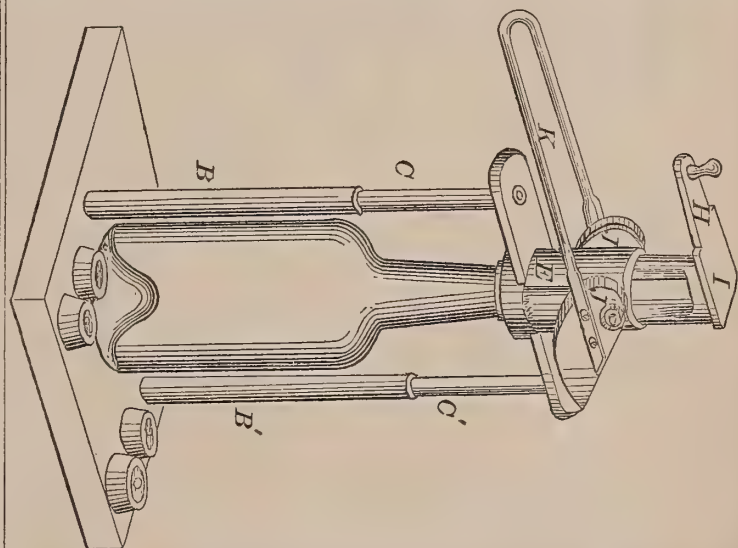
61477—E. A. Smith—*Buckle.*61478—E. J. Smith—*Griddle.*61479—W. W. Smith—*Transplanting Tray.*61480—N. H. Spafford—*For Combing and Assorting Bristles.*61481—J. Stephenson—*Street Car.*61482—J. Stephenson—*Roof for Railroad Cars.*61483—F. Strothmann—*Sounding Board for Pianos.*

61486—C. Vogel—*For Cutting Files.*

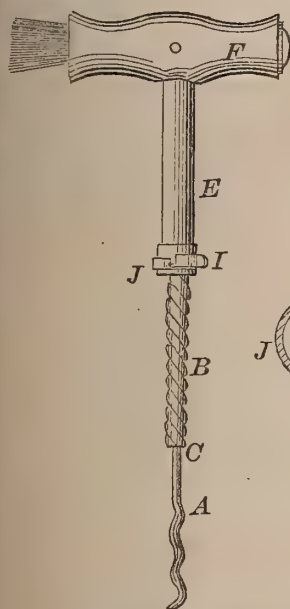
61484—S. E. Totten—*Can Opener.*



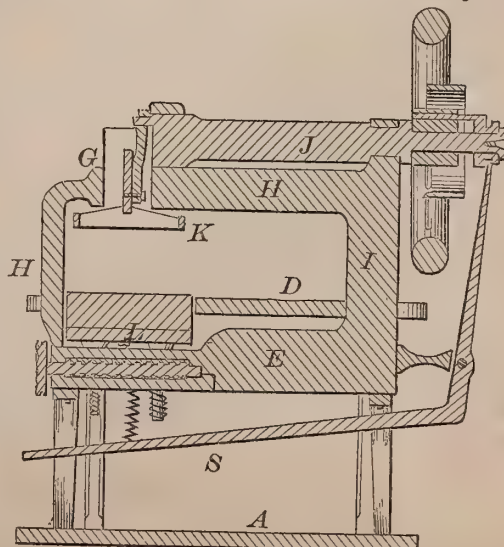
61488—J. Walker—*Cork Extractor.*



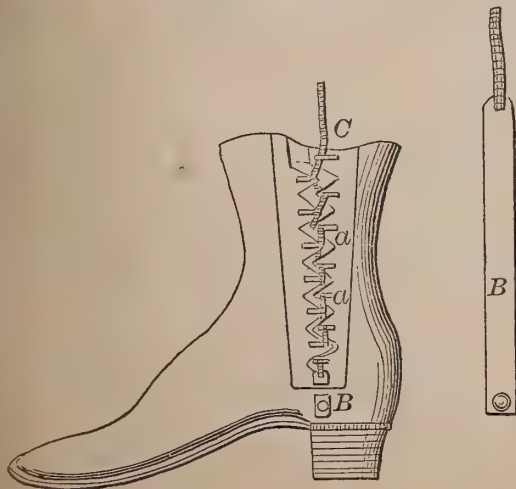
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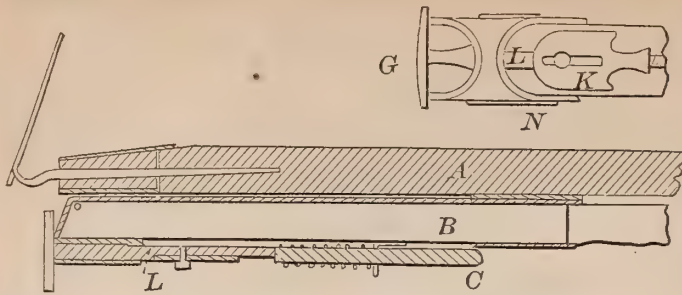
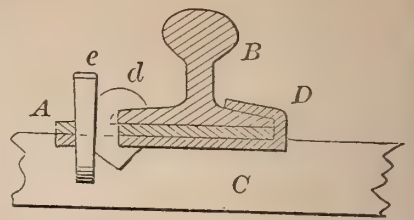
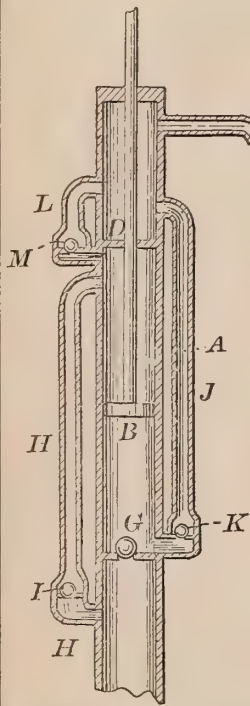
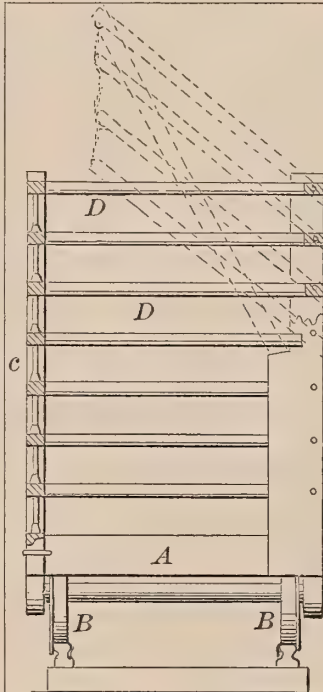
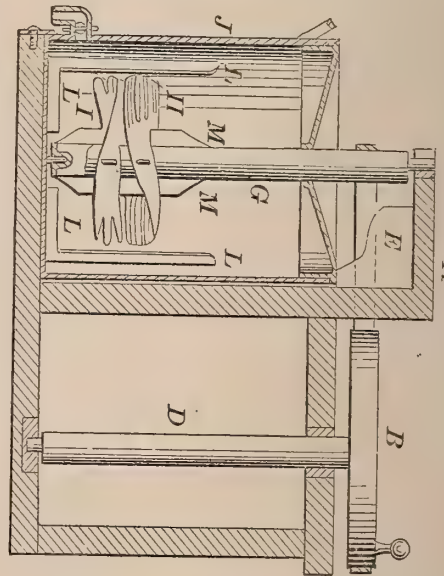
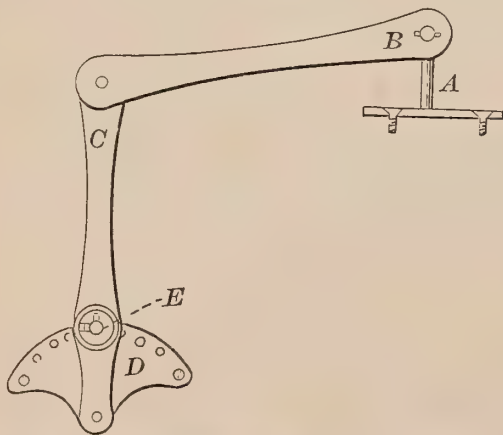
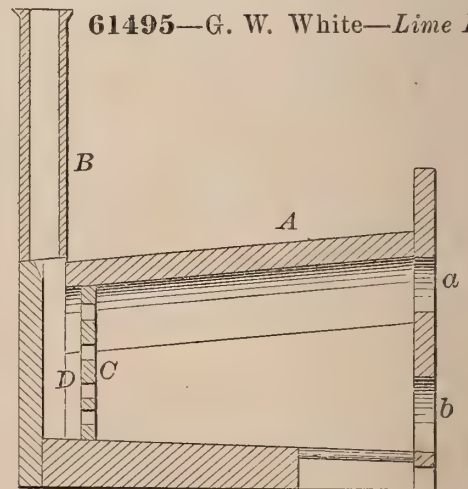
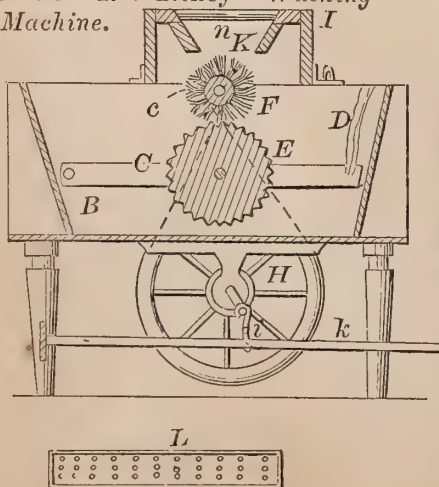
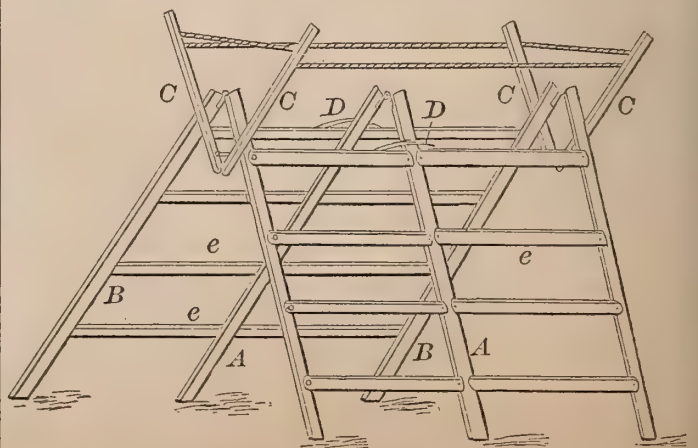
61489—J. H. Walker—*For Cutting Soles.*



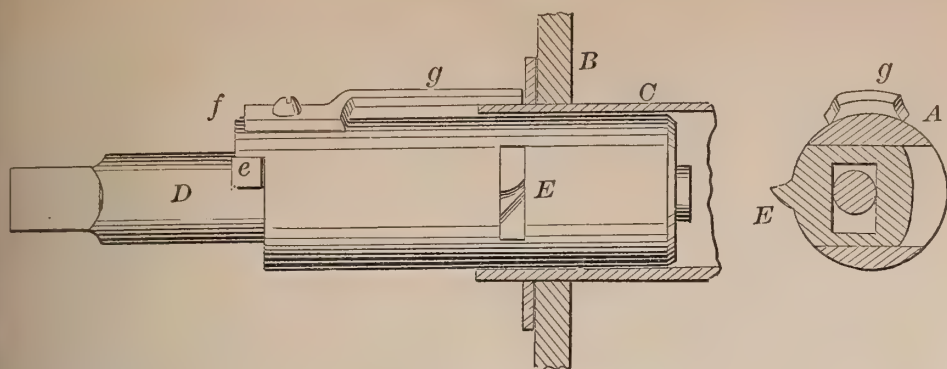
61487—R. Vollschwitz—*Boots and Shoes.*



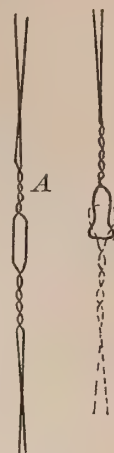


61490—L. Weaver—*Corn Planter.*61491—G. Webb—*Railroad Chair.*61492—J. R. Weisger—*Pump.*61493—T. J. Wells—*Peat Car.*61494—G. C. Westover—*Clurn and Egg Beater.*61497—Wing & Bradeen—*Window Fastener.*61495—G. W. White—*Lime Kiln.*61496—I. Whitney—*Washing Machine.*61498—L. Woodworth—*Clothes Dryer.*

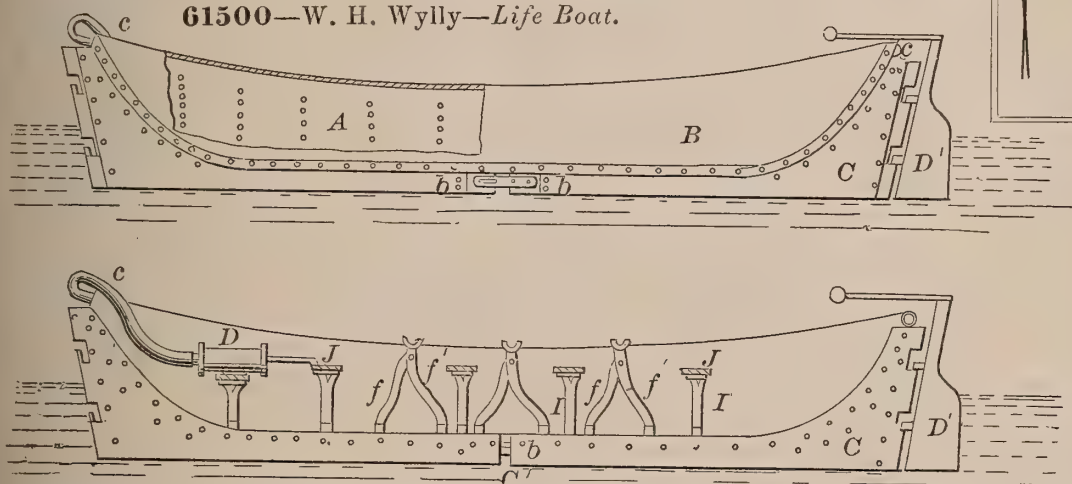
61499—N. Wright—For Cutting off Boiler Tubes.



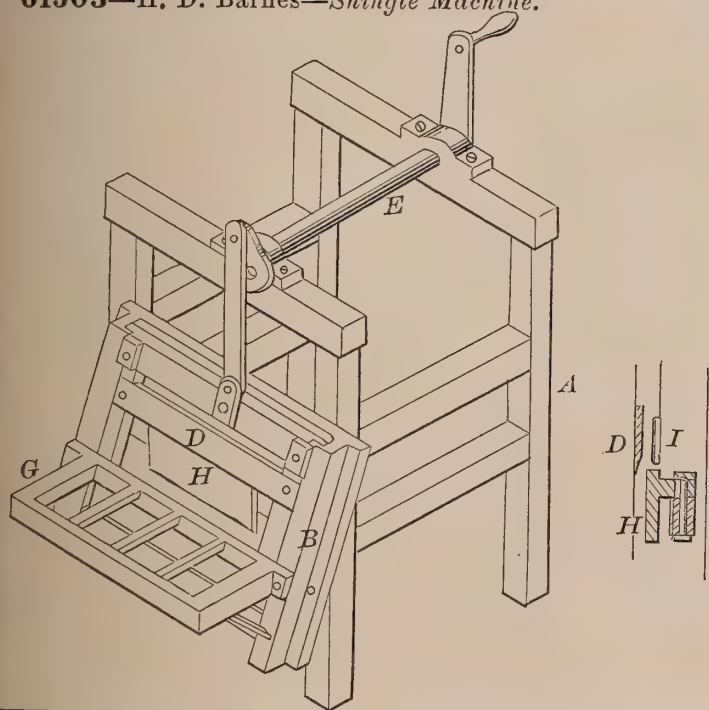
61501—J. Ashworth—Eye of Wire Heddles.



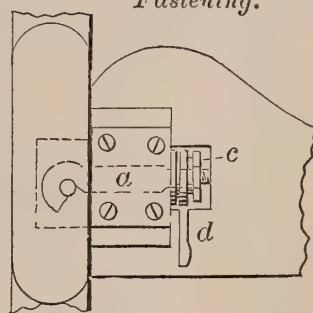
61500—W. H. Wylly—Life Boat.



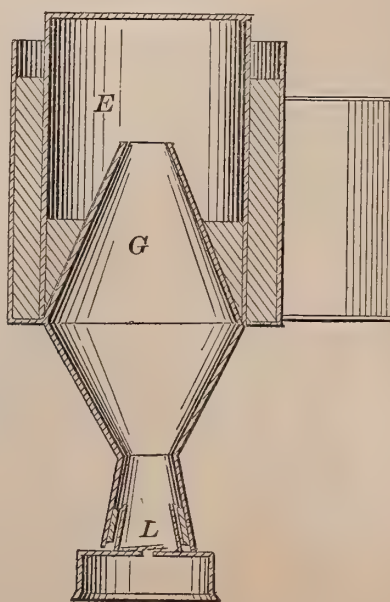
61503—H. D. Barnes—Shingle Machine.



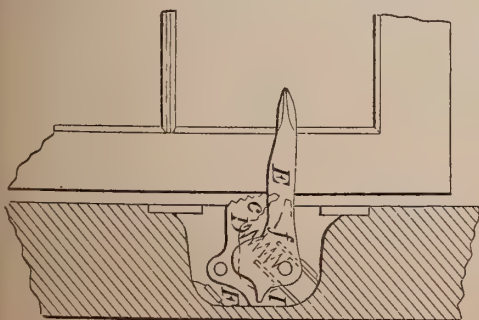
61504—W. S. Brattle—Bedstead Fastening.



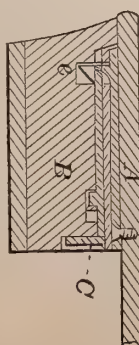
61506—D. Beardsley—Exhausting Air from Fruit Cans.



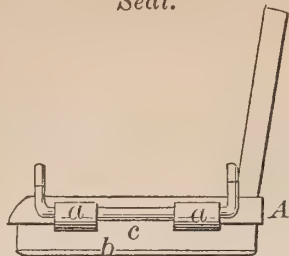
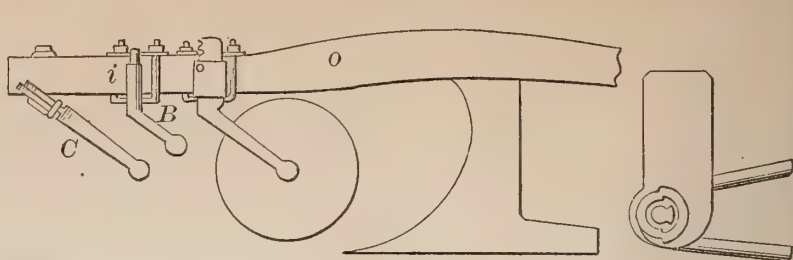
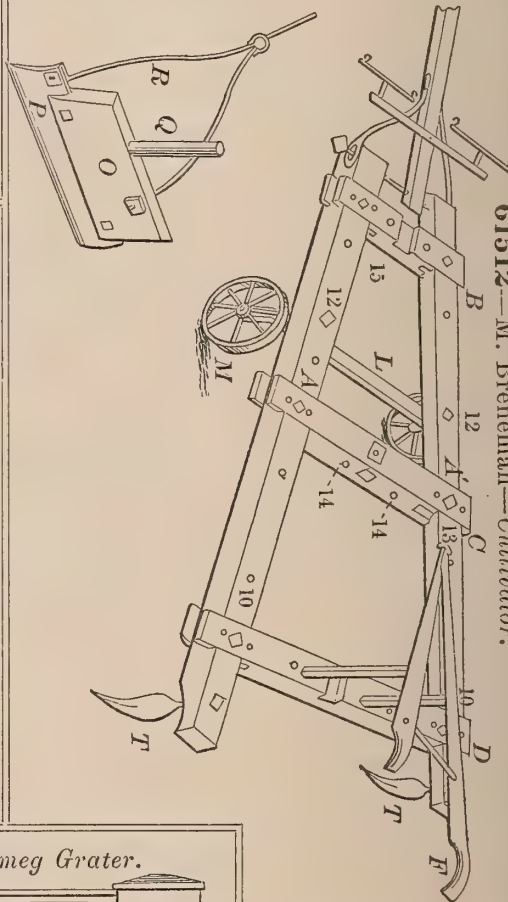
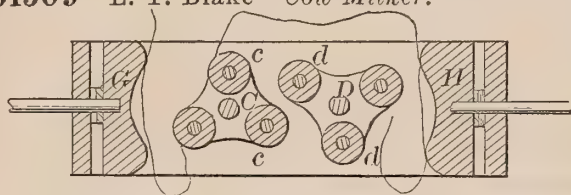
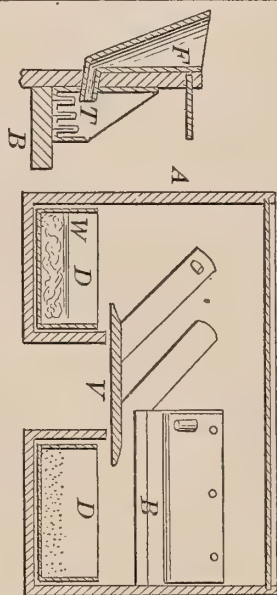
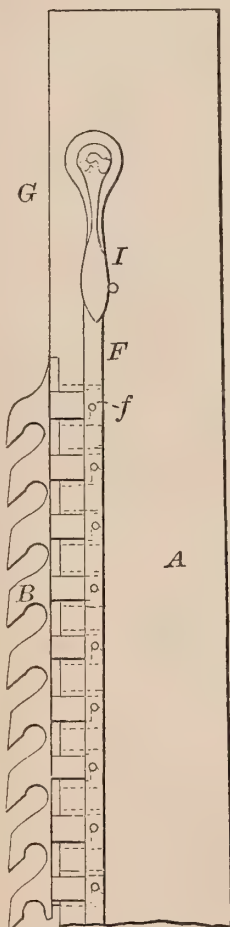
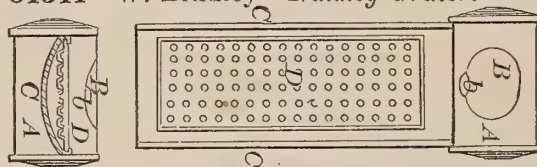
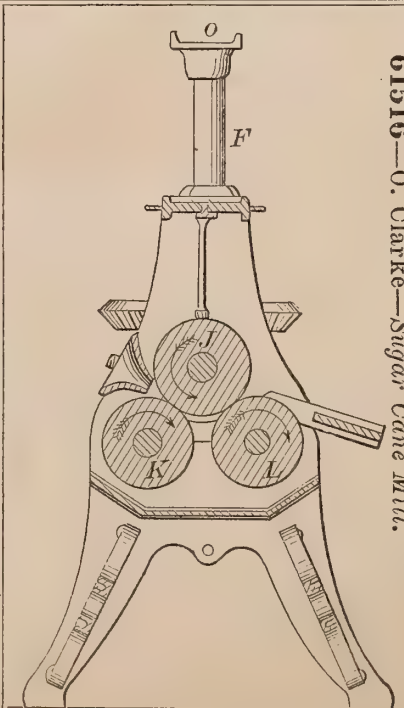
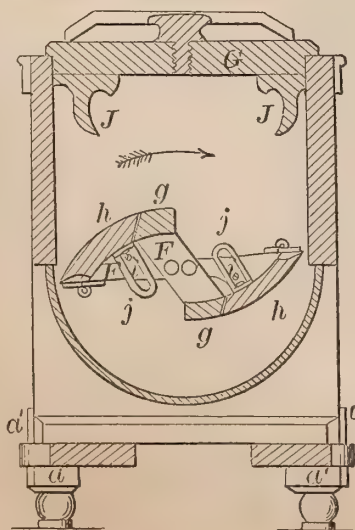
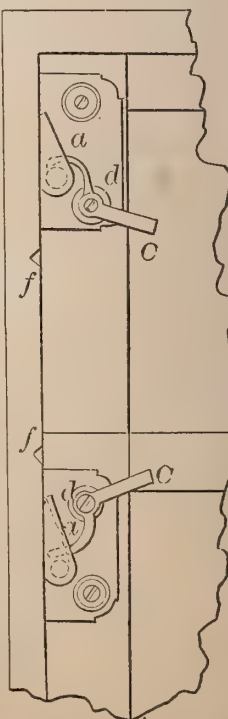
61505—B. Beach—Sash Fastener.



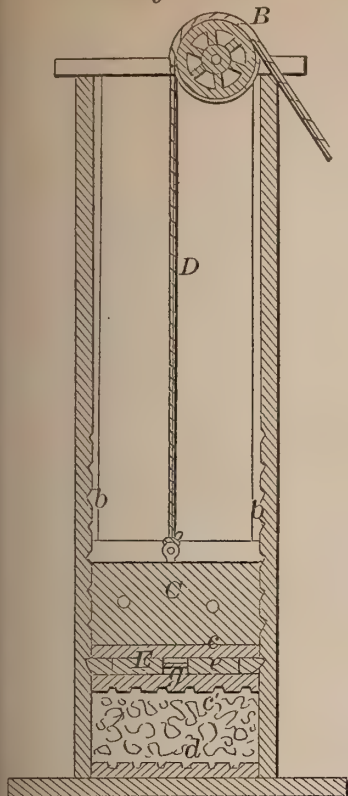
61502—C. W. Bailey—Boots and Shoes.



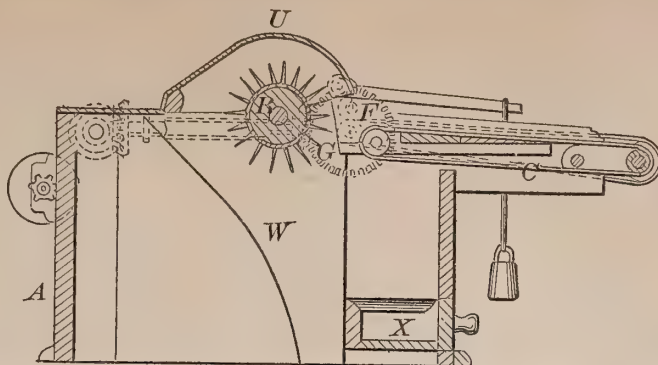


61507—J. Beck—*Wagon Seat.*61508—Bertrand & Sames—*Plow.*61509—L. T. Blake—*Cow Milker.*61512—M. Breneman—*Cultivator.*61514—E. Ducl—*Bee Feeding Apparatus.*61513—I. S. & C. N. Brown—*Saw.*61511—W. Bradley—*Nutmeg Grater.*61516—O. Clarke—*Sugar Cane Mill.*61515—W. C. Chamberlain—*Churn.*61510—A. T. Boon—*Sash Supporter.*

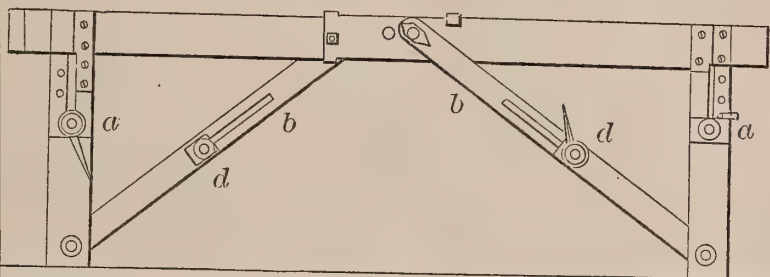
61517—C. Colahan—*Baling Cotton.*



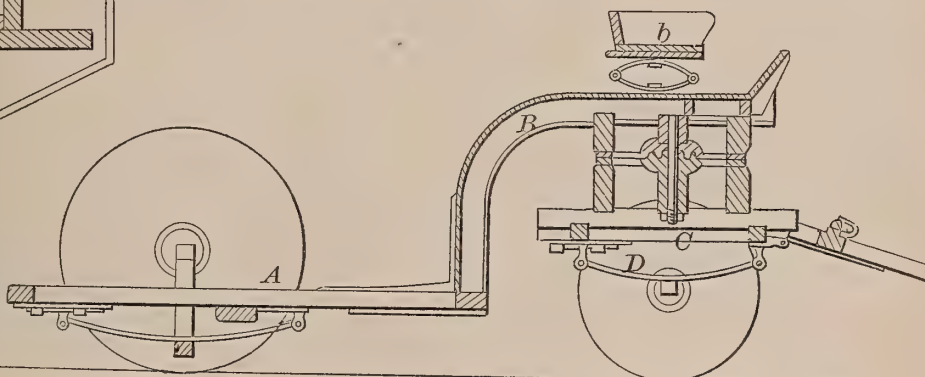
61519—G. Cox—*Wadding Waste Machine.*



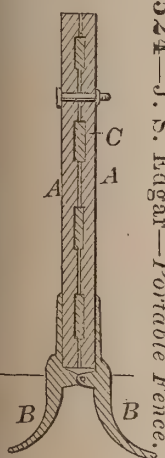
61521—H. Davis—*Self-Adjusting Trestle.*



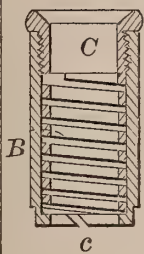
61523—J. Dowd—*Wagon.*



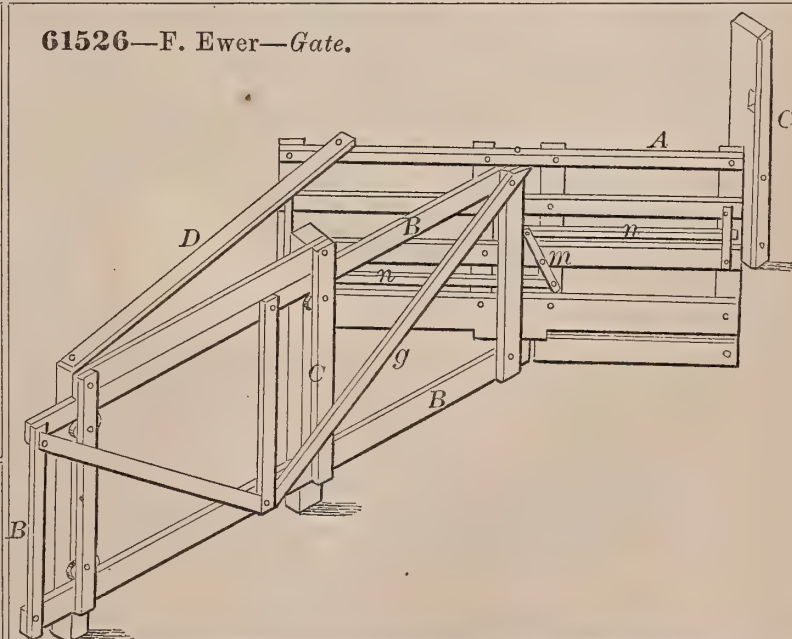
61524—J. S. Edgar—*Portable Fence.*



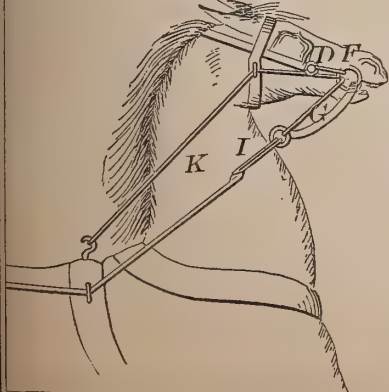
61518—J. D. Cottrell—*Spinning Frame.*



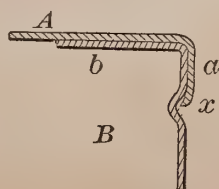
61526—F. Ewer—*Gate.*



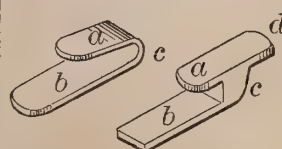
61522—D. M. Donehoo—*Safety Bridle.*



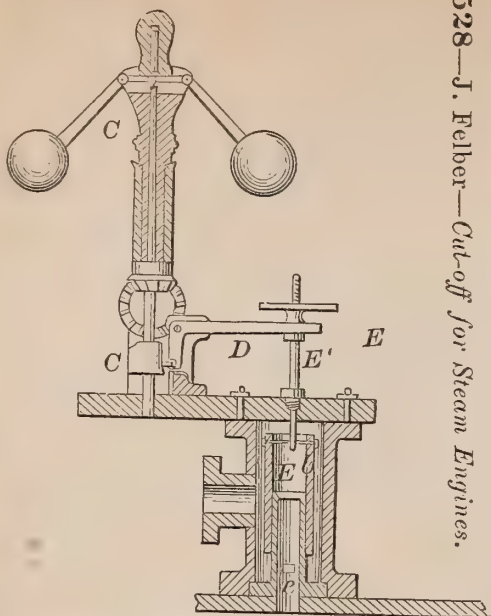
61525—H. Everett—*Joint for Tinned Iron Vessels.*



61527—H. Fassman—*Cotton Bale Tie.*

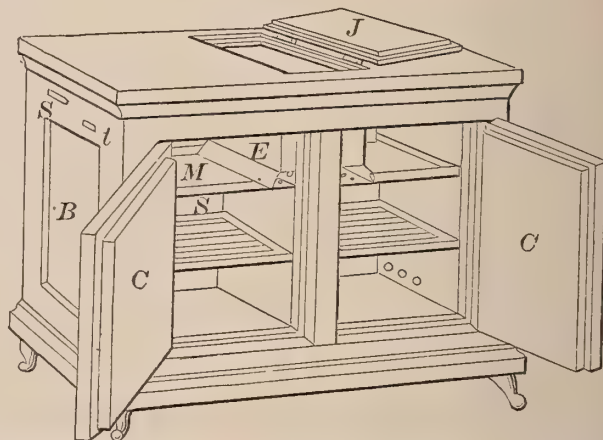
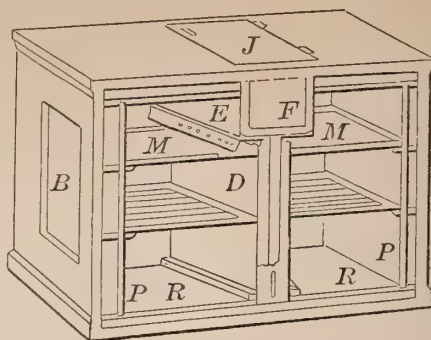




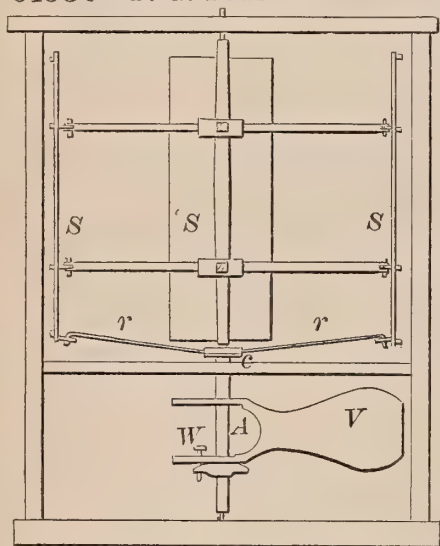


61528—J. Felber—Cut-off for Steam Engines.

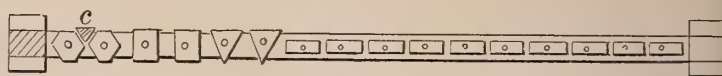
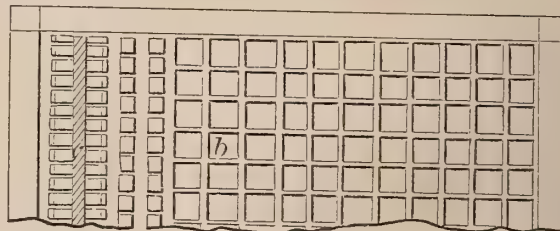
61529—J. R. Fergusson—Refrigerator.



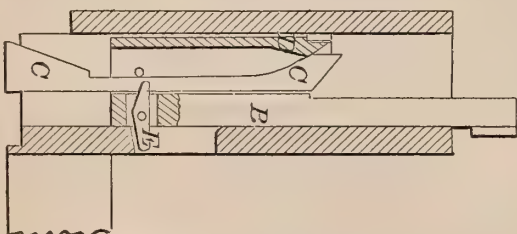
61530—F. G. Fowler—Windmill.



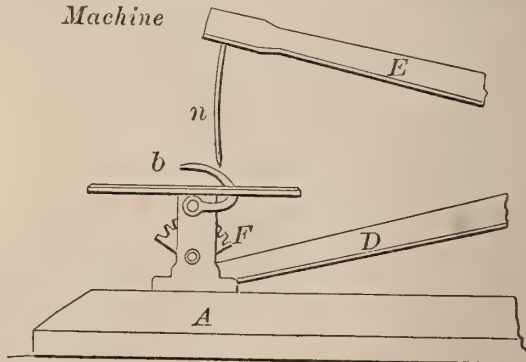
61531—C. Freetsha—Pattern Chart.



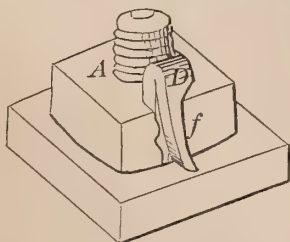
61534—H. P. Gregg—Seeding Machine.



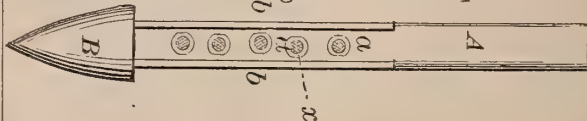
61533—Goodes &amp; Miller—Button Hole Machine



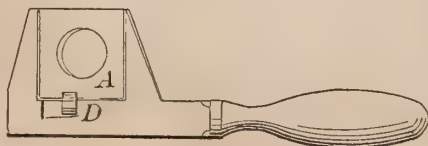
61537—Harris &amp; Browning—Nut.



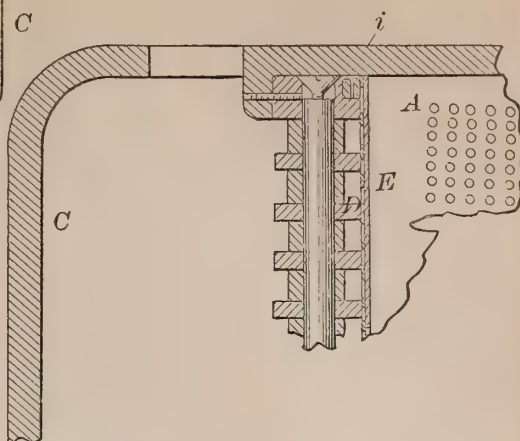
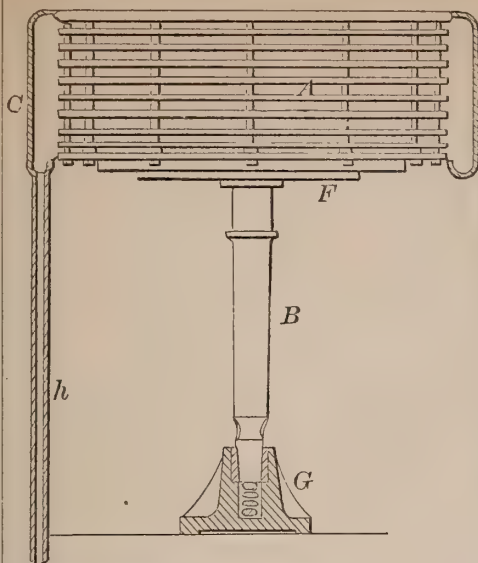
61536—A. Harrington—Well Pipe.



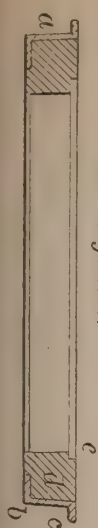
61535—J. Y. Hamilton—Shuttle for Narrow Ware Looms.



61541—B. Hubbe—*Lard Press.*



61538—C. R. Harvey—*Frame, &c., for Hot Air Registers.*



61543—J. F. Keller—*Seed Drill.*

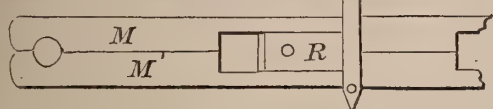


Fig. 5

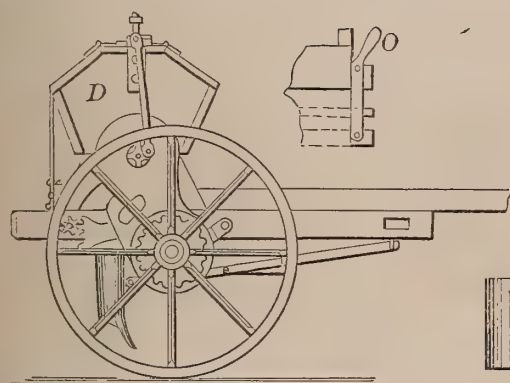
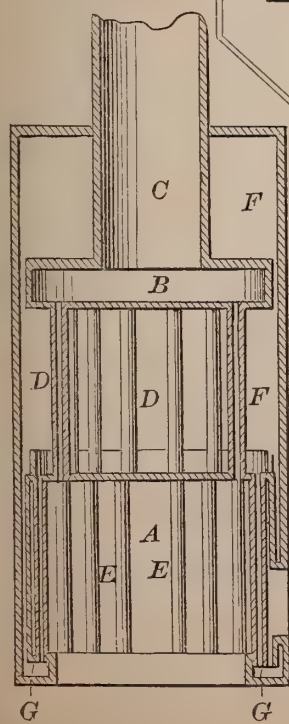
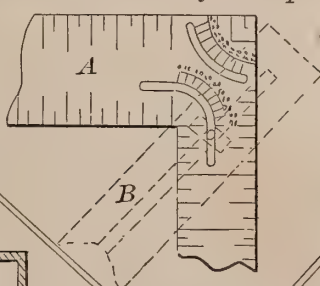


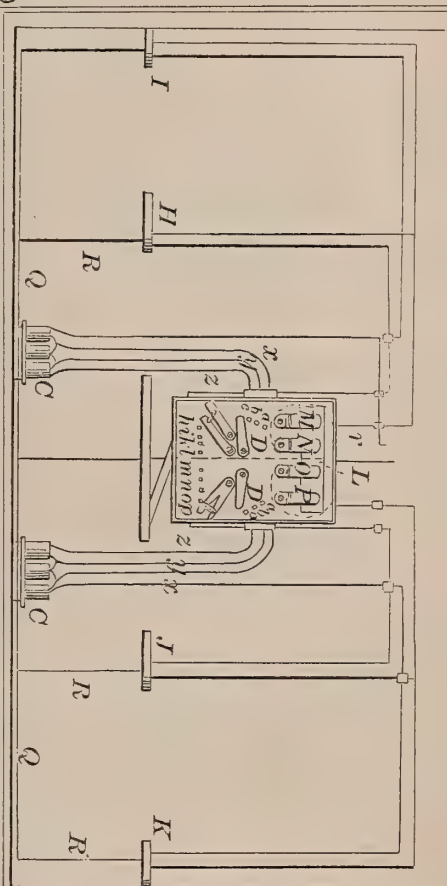
Fig. 7

61539—O. T. Hayes—*Square.*

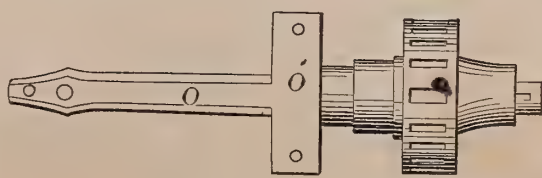
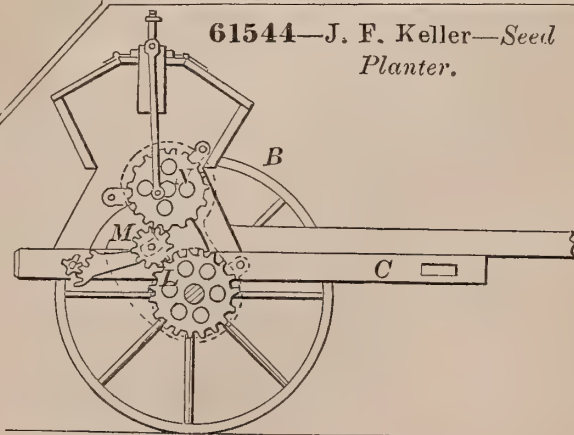


61542—E. B. Juckett—*Steam Generator.*

61540—E. A. Hill—*Telegraphic Apparatus.*

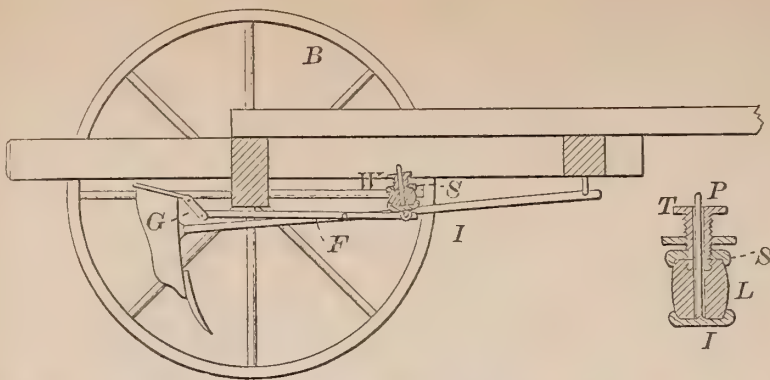


61544—J. F. Keller—*Seed Planter.*

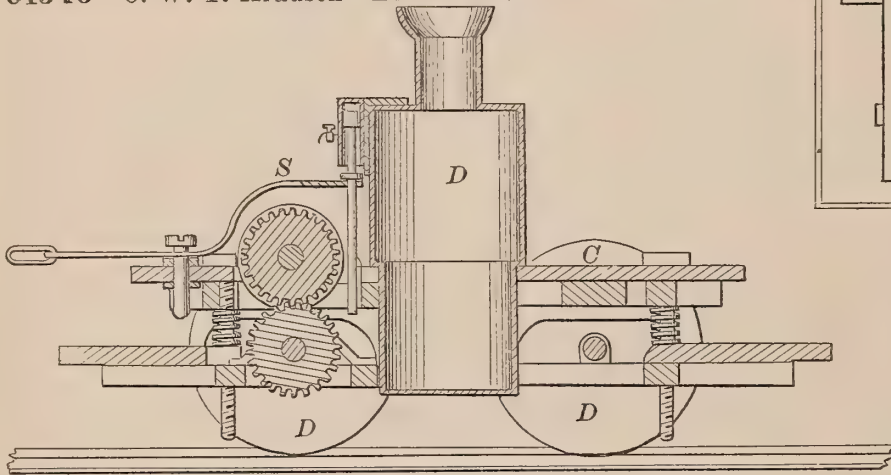




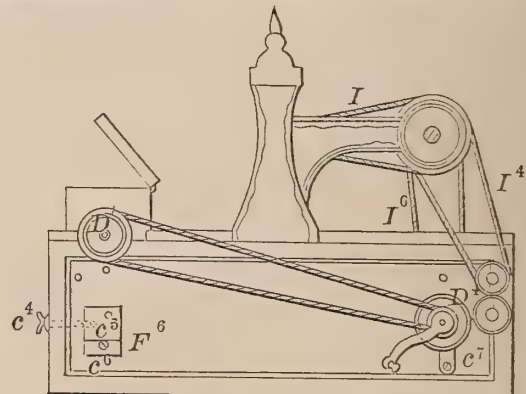
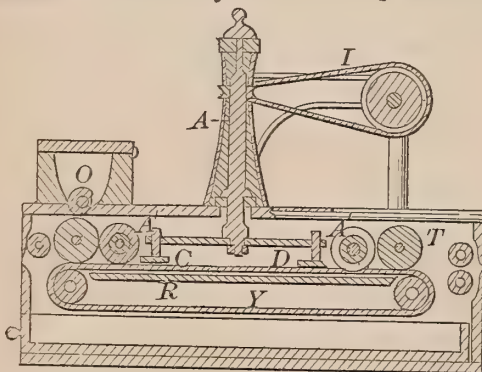
61545—J. F. Keller—Seed Planter.



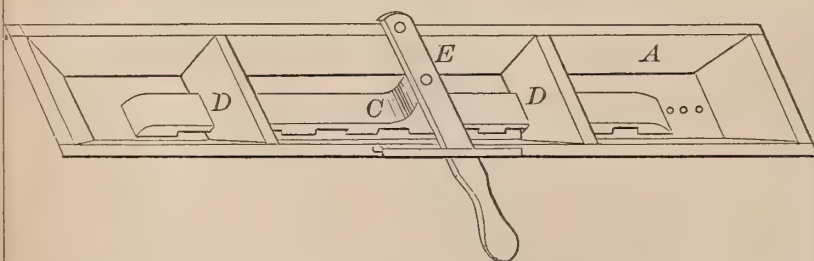
61546—C. W. T. Krausch—Locomotive.



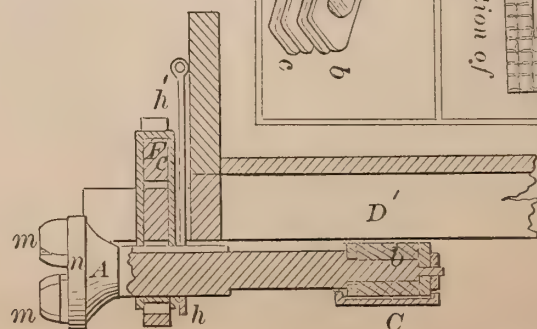
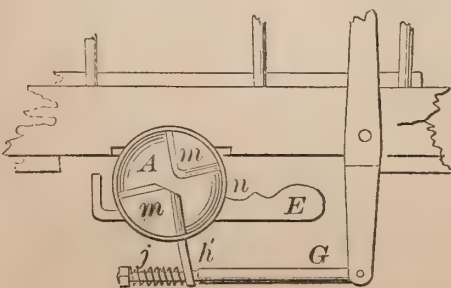
61550—G. L. Mayes—Bronzing Machine.



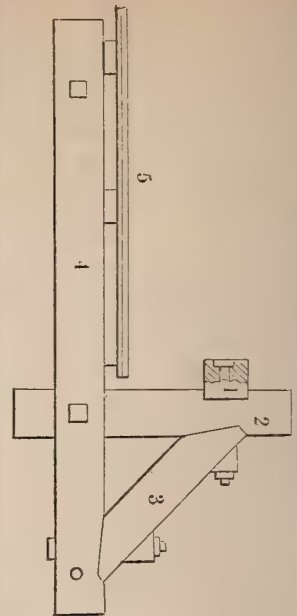
61551—C. McIntosh—Seed Sower.



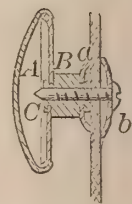
61553—J. Miller—Car Coupling.



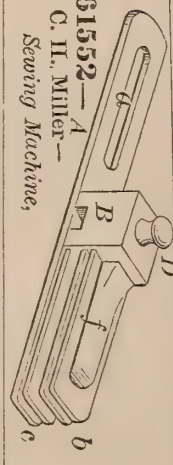
61548—S. Love—Railroad Bumping Post.



61547—F. Loos—Button.



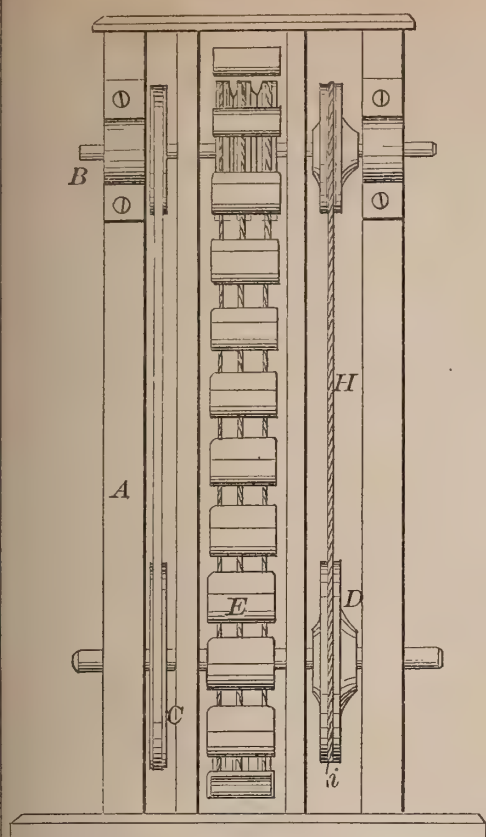
61552—A. C. II. Miller—Sewing Machine.



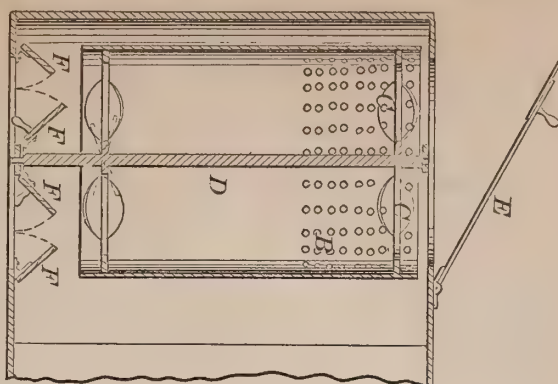
61549—W. II. May—Imitation of Open Carving on Wool



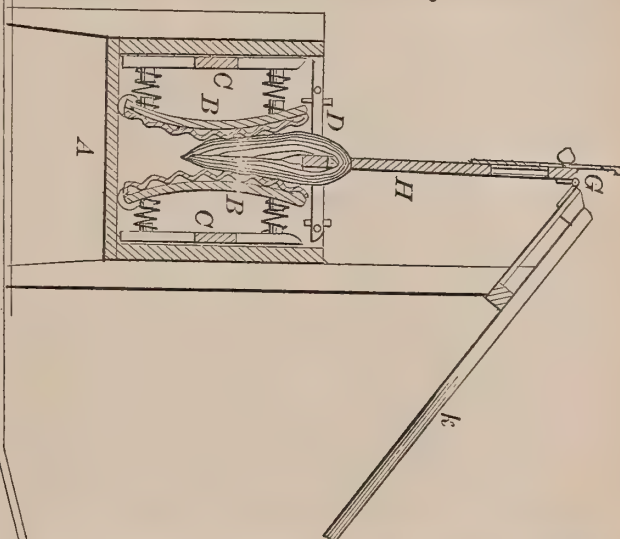
**61554**—Heneage, Milsom & Spendelow—*Pulley and Cable.*



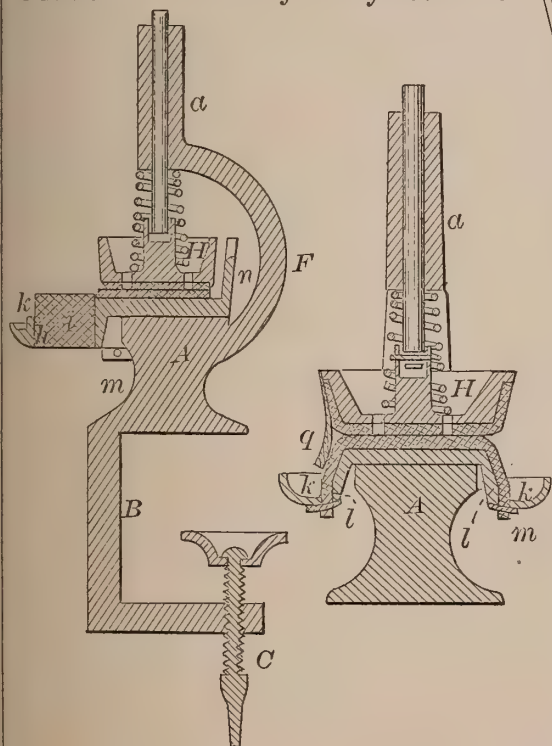
**61555**—J. H. Moore—*Car Ventilator.*



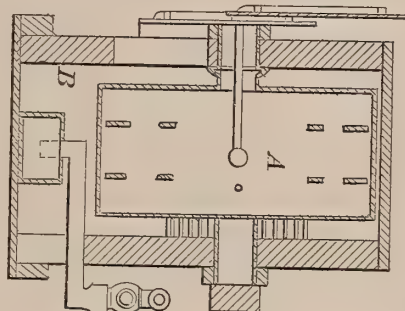
**61558**—T. Outwater—*Washing Machine.*



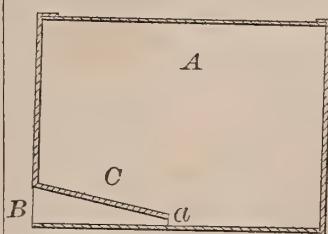
**61556**—N. P. Mulloy—*Knife Cleaner.*



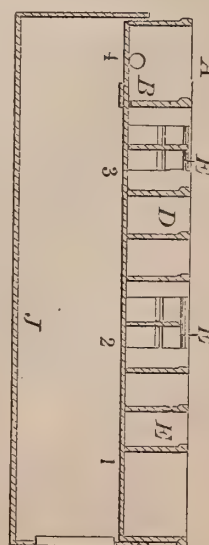
**61560**—W. Panton—*Stuffing Hides and Skins.*



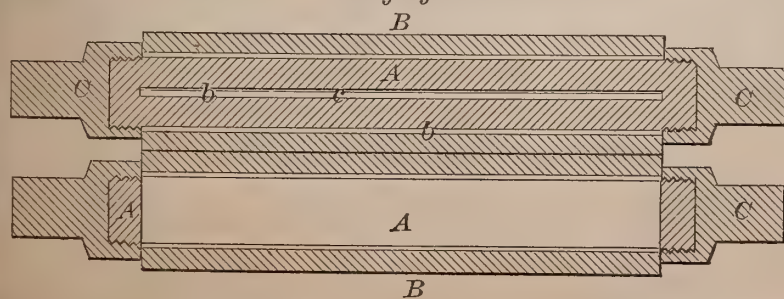
**61561**—P. Pardee—*Vermin Trap.*



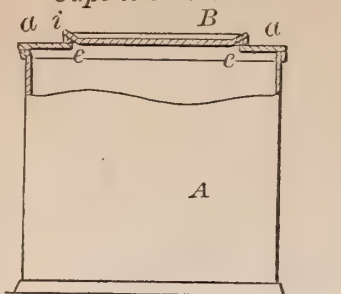
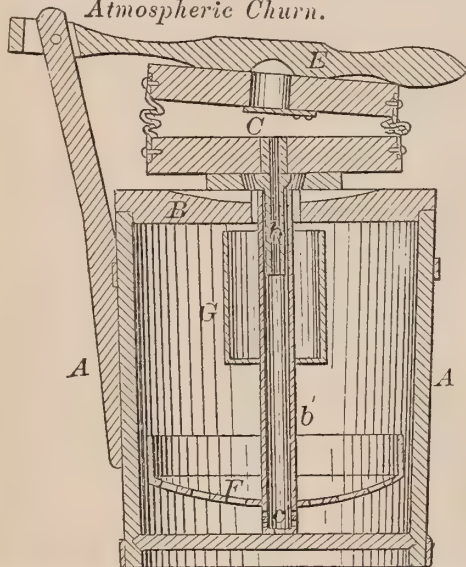
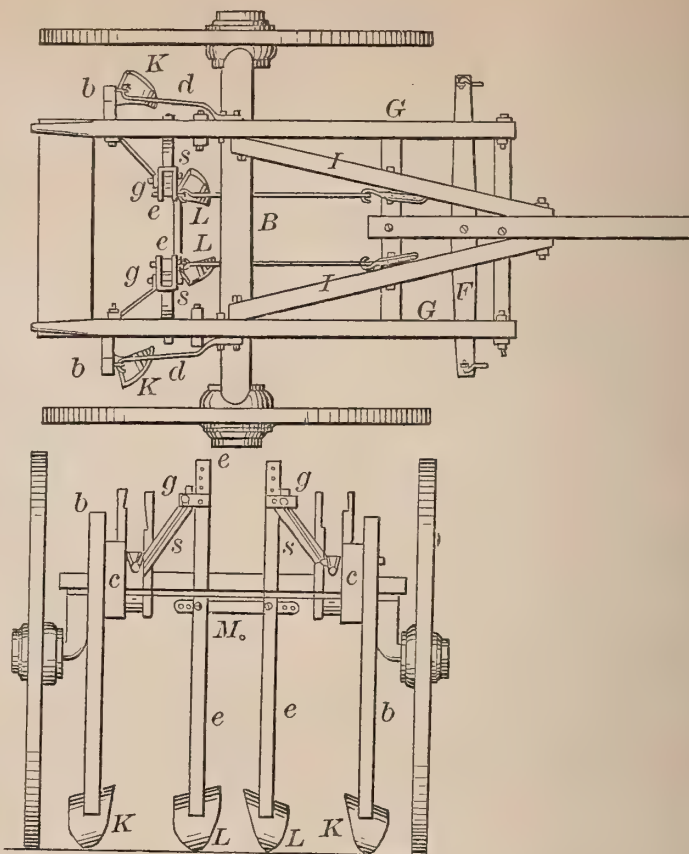
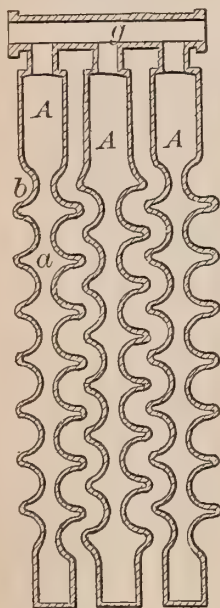
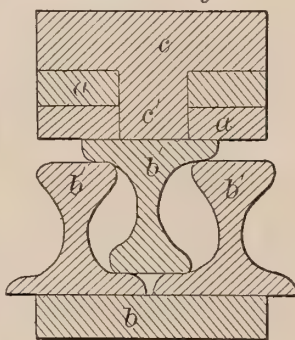
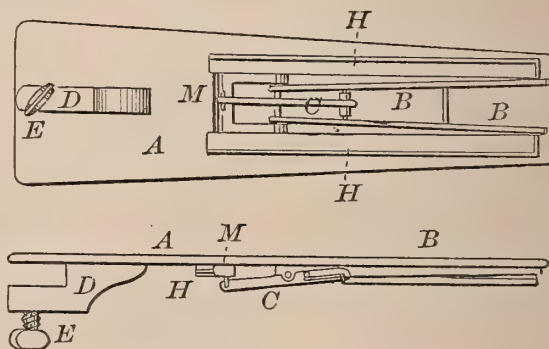
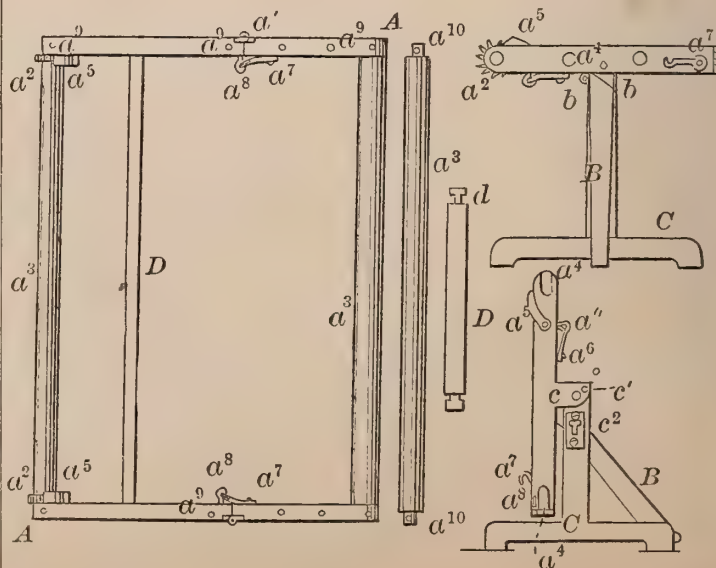
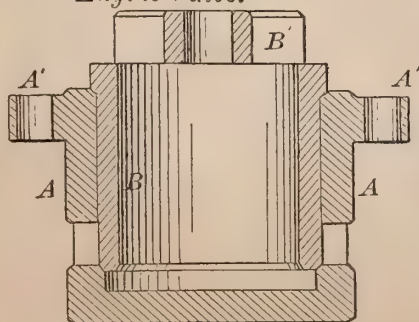
**61562**—L. D. Peny—*Sorghum Evaporator.*



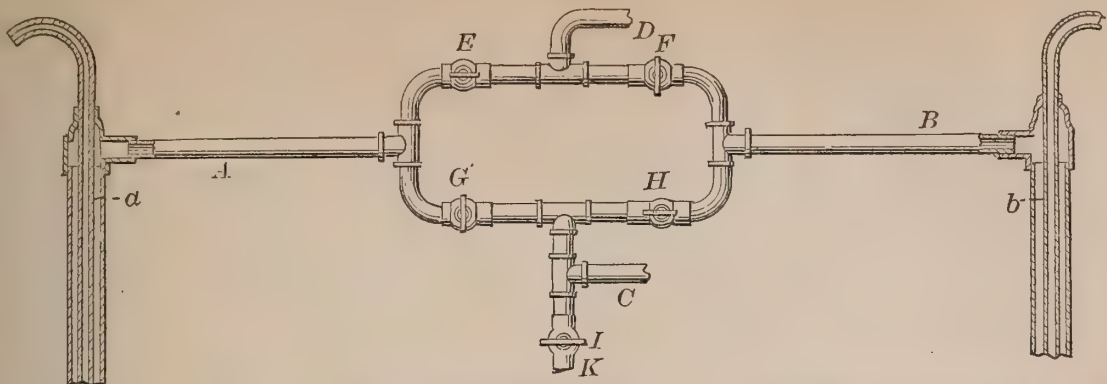
**61559**—H. D. Palmer—*Wringing Machine Roller.*



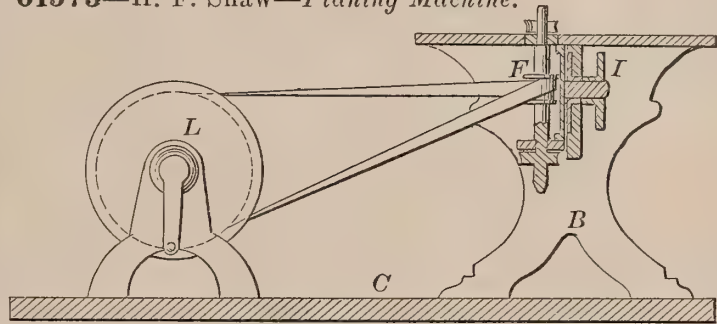


**61563**—D. W. Pepper—*Securing Caps to Metal Cans.***61567**—Prindle & Yerk—*Atmospheric Churn.***61566**—G. W. Price—*Gang Plow and Cultivator.***61564**—G. W. Perry—*Steam Generator.***61565**—S. L. Potter—*Railroad Fagot.***61569**—M. D. Safford—*Ironing Table.***61570**—Schmirk & McCollum—*Quilting Frame.***61568**—T. Rodda—*Steam Engine Valve.*

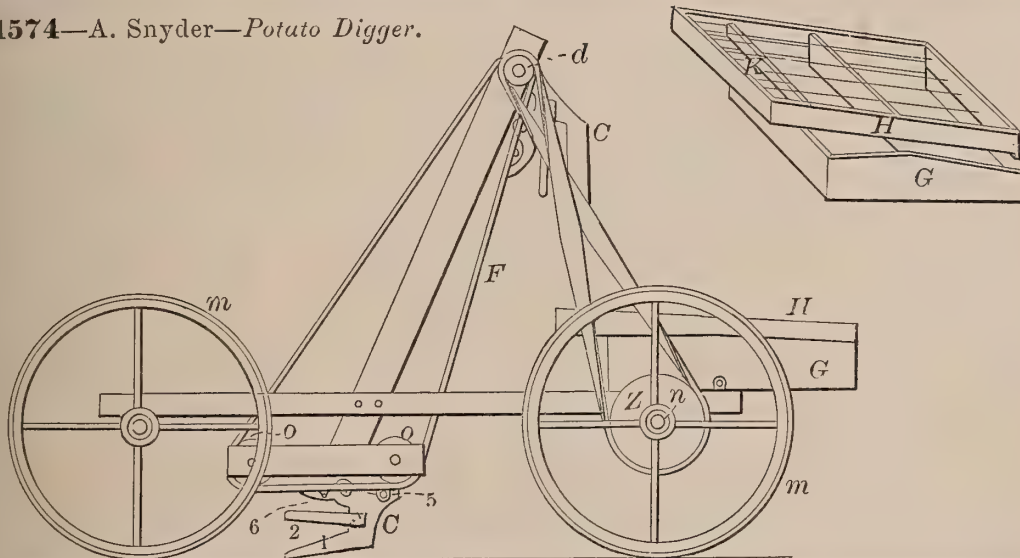
61571—H. Searle—*Oil Ejector*.



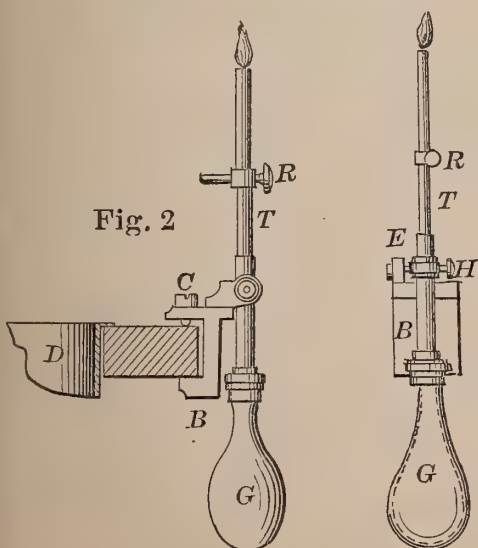
61573—H. F. Shaw—*Planing Machine*.



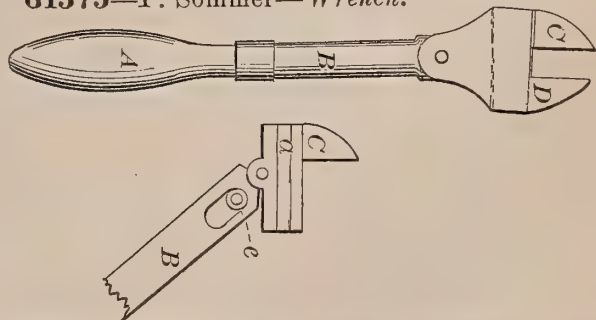
61574—A. Snyder—*Potato Digger*.



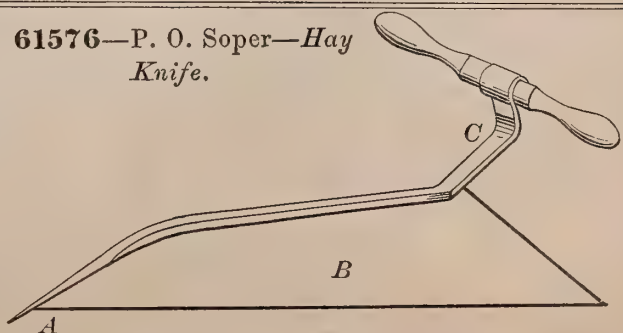
61572—G. E. Shaw—*Fire Test Torch*.



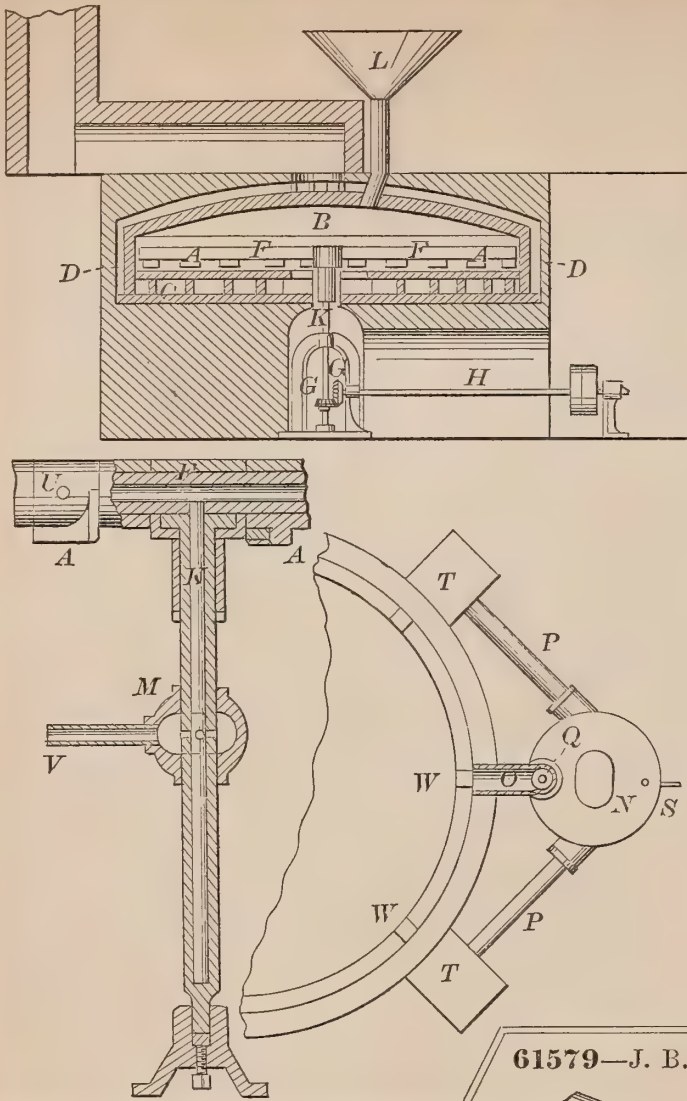
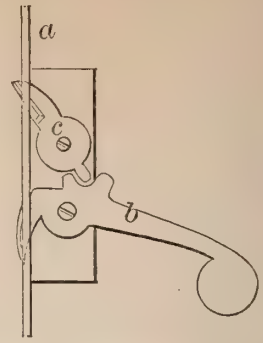
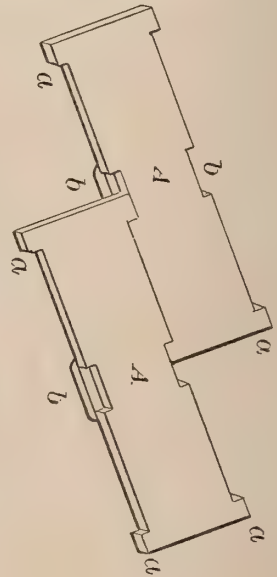
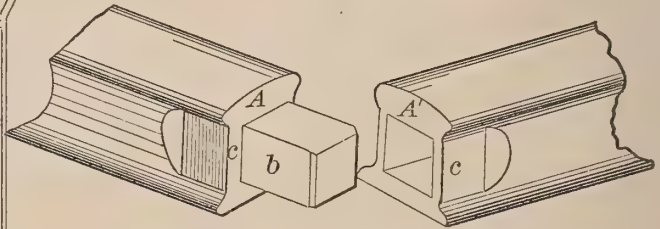
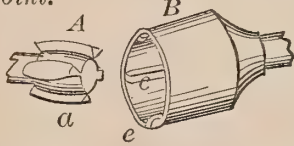
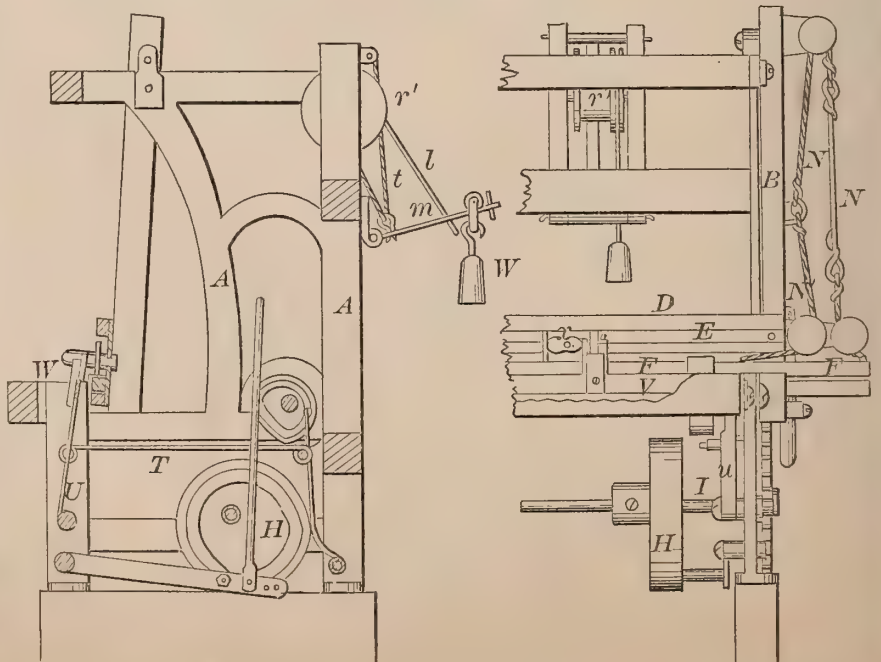
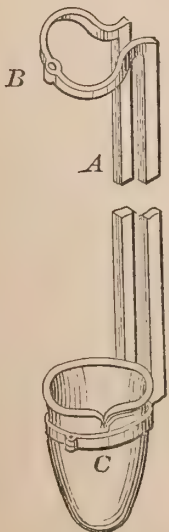
61575—P. Sommer—*Wrench*.



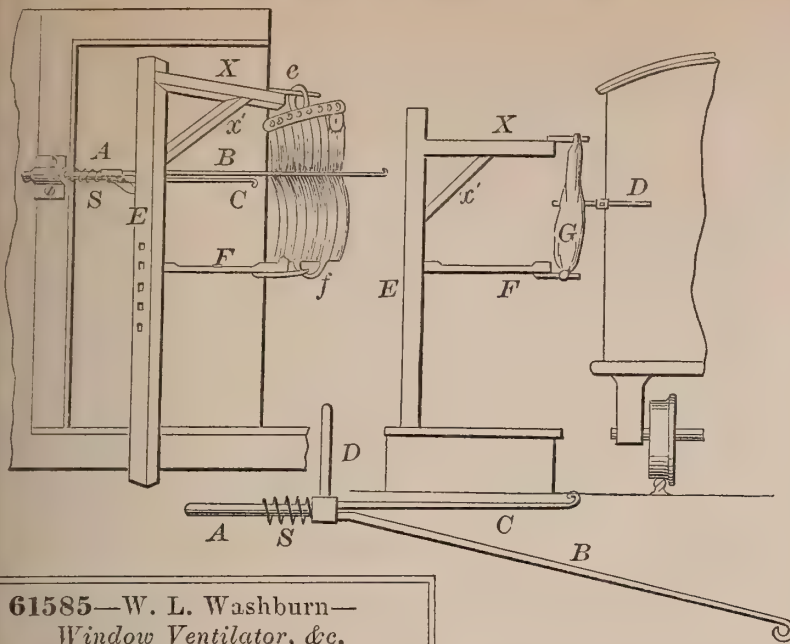
61576—P. O. Soper—*Hay Knife*.



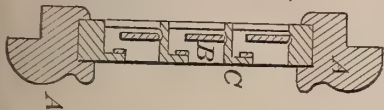


**61577**—I. N. Stanley—*For Desulphurizing Ores.***61578**—J. Stevens—*Sash Fastener.***61580**—J. B. Tarr—*Metallic Pavement.***61579**—J. B. Tarr—*Railroad Rail.***61581**—S. N. Taylor—*Universal Joint.***61583**—S. Walker—*Narrow Ware Loom.***61582**—F. Villard—*Crucible Tongs.*

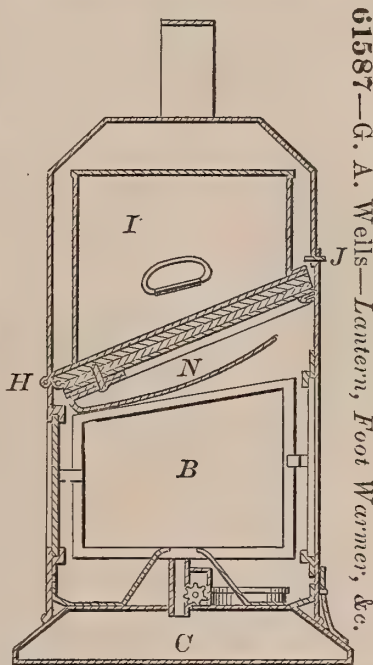
61584—L. F. Ward—Mail Bag Catcher for Cars.



61585—W. L. Washburn—Window Ventilator, &c.

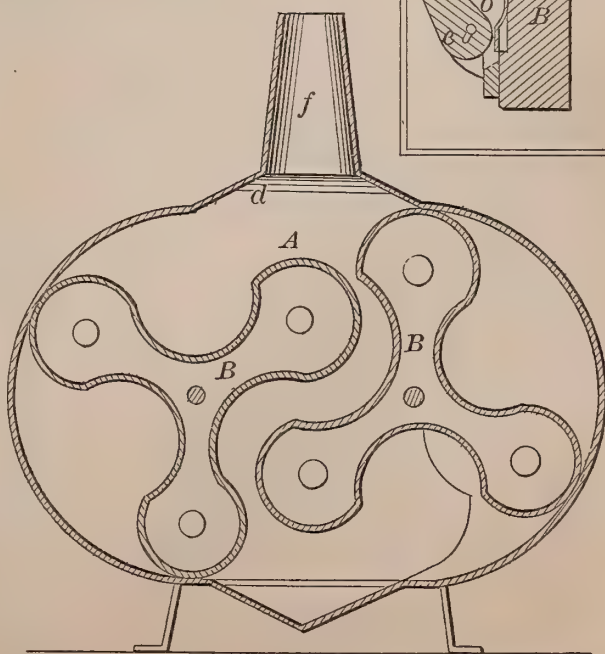


61588—H. Wettstein—Coverlid.

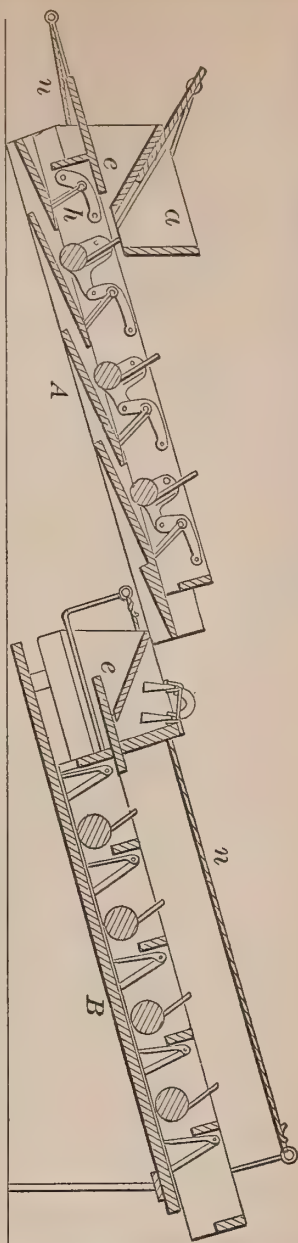


61587—G. A. Wells—Lantern, Foot Warmer, &c.

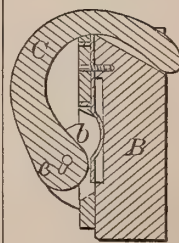
61592—J. M. Williams—Blower.



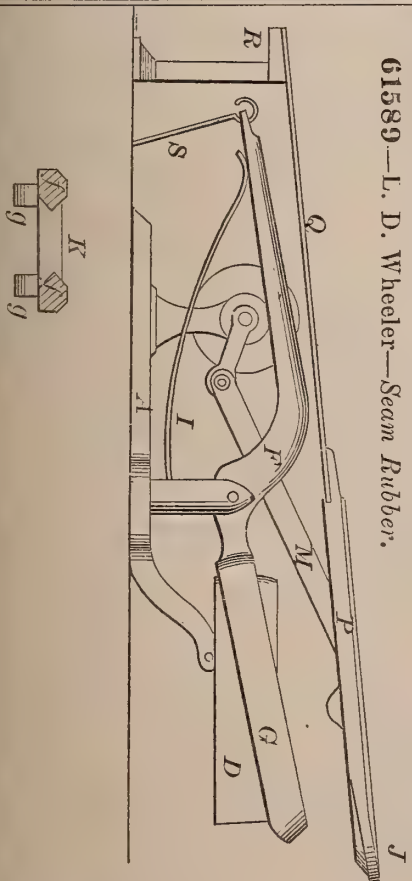
61586—J. Webster—Manufacture of Pett Fuel.



61590—Whitmarsh & Putnam—Clothes Hook.



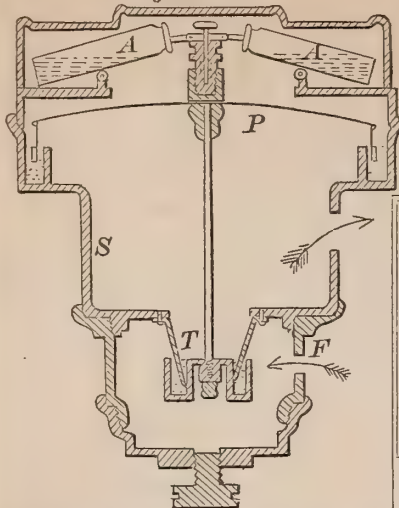
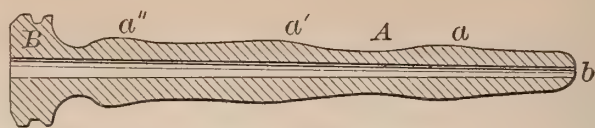
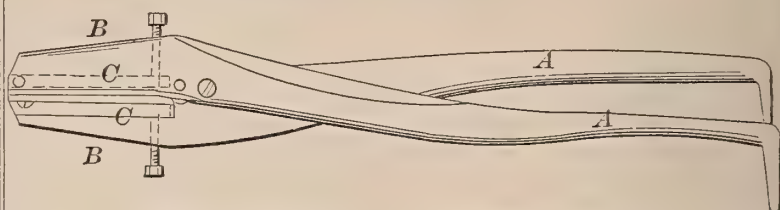
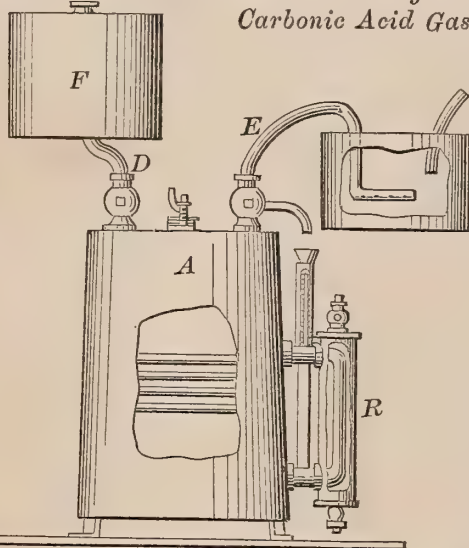
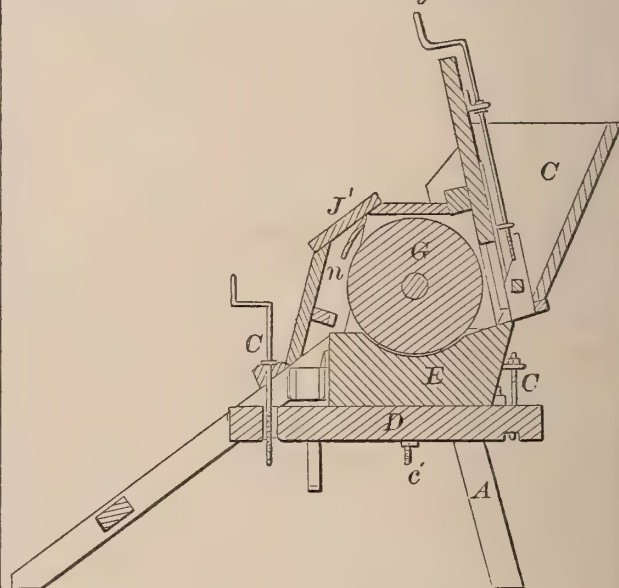
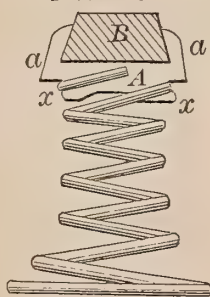
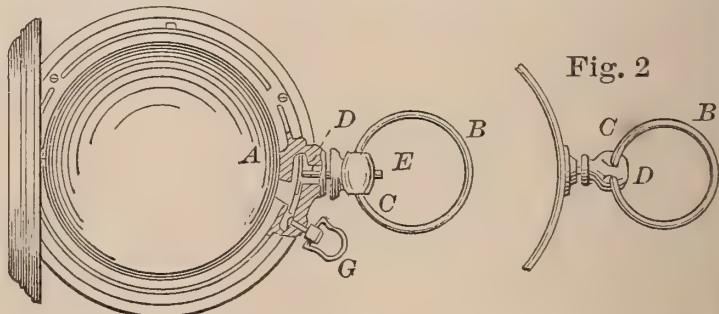
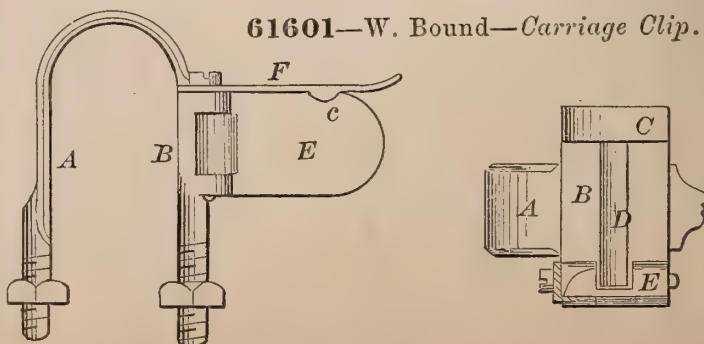
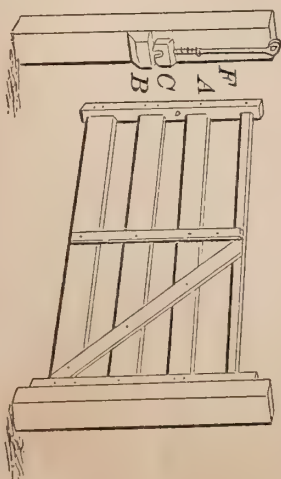
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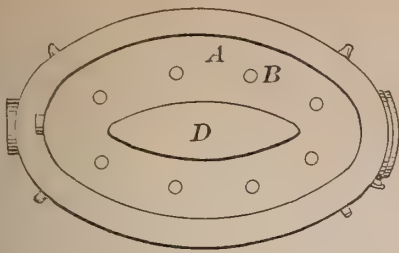
61591—F. W. Willard—Spoon.



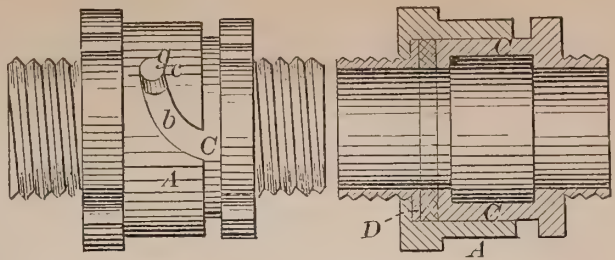


**61593**—A. H. Wood—*Gas Regulator.***61598**—W. E. Bass—*Weft Bobbin.***61597**—Ball & Graves—*Shears.***61596**—S. T. Bacon—*For Generating Carbonic Acid Gas.***61599**—J. H. Bear—*Grinding Mill.***61595**—A. S. Babbitt—*Bed Bottom.***61600**—J. S. Birch—*Watch Pendant.***61601**—W. Bound—*Carriage Clip.***61594**—L. Woodruff—*Gate Latch.*

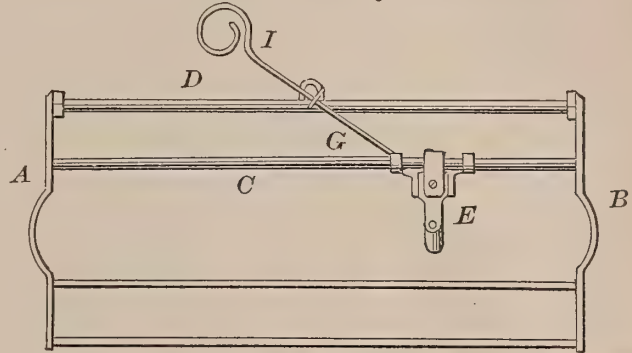
61602—N. A. Boynton—Coal Stove.



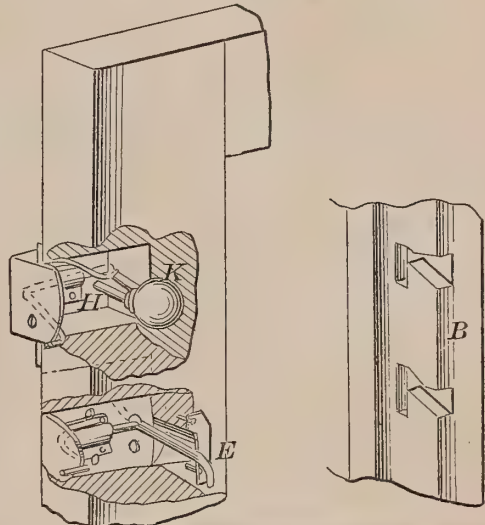
61607—W. Craig—Pipe Coupling.



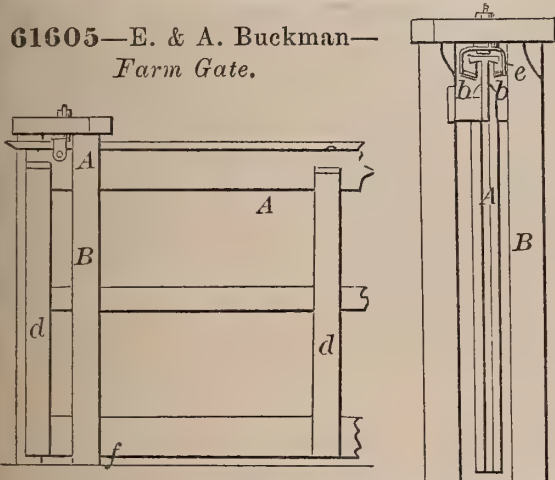
61608—T. Crane—Knitting Machine.



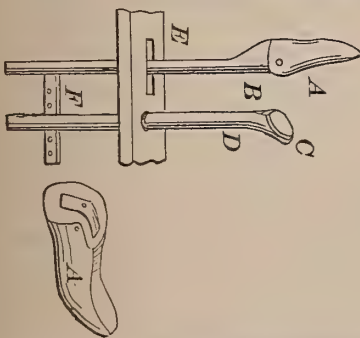
61604—W. Broomhall—Latch.



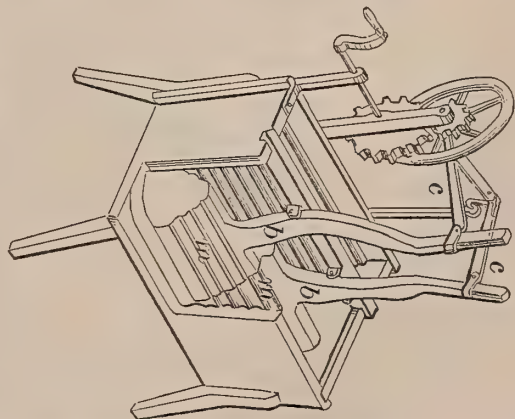
61605—E. & A. Buckman—  
Farm Gate.



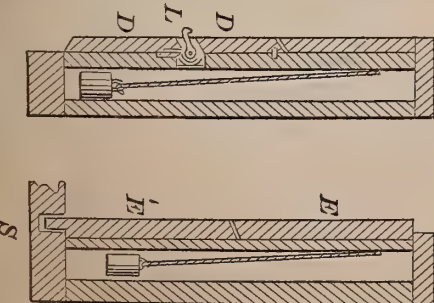
61603—A. N. Breneman—  
Jack.



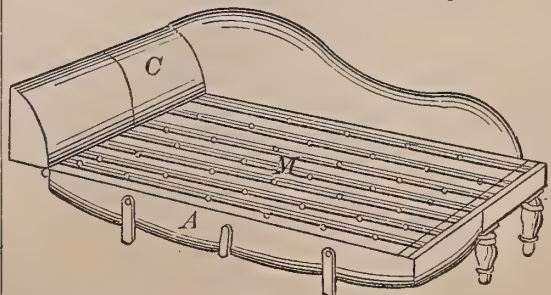
61609—E. D. Crosley—Washing  
Machine.



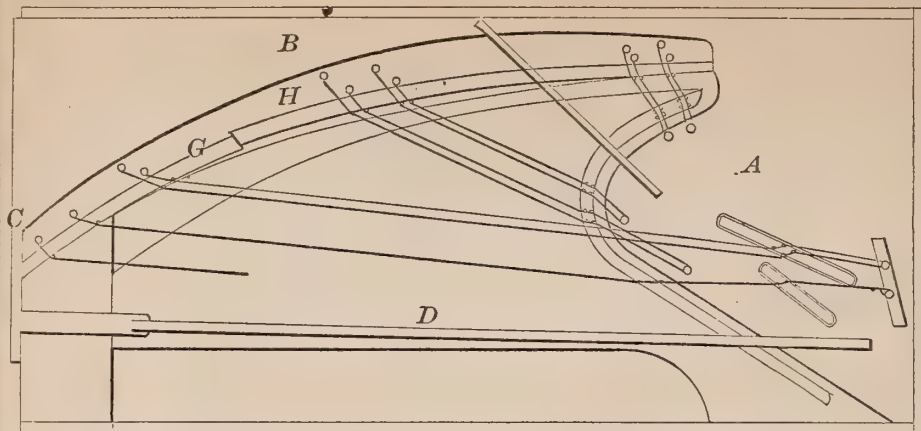
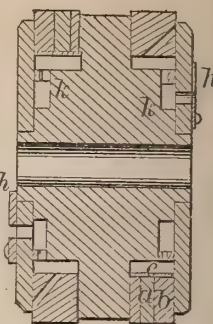
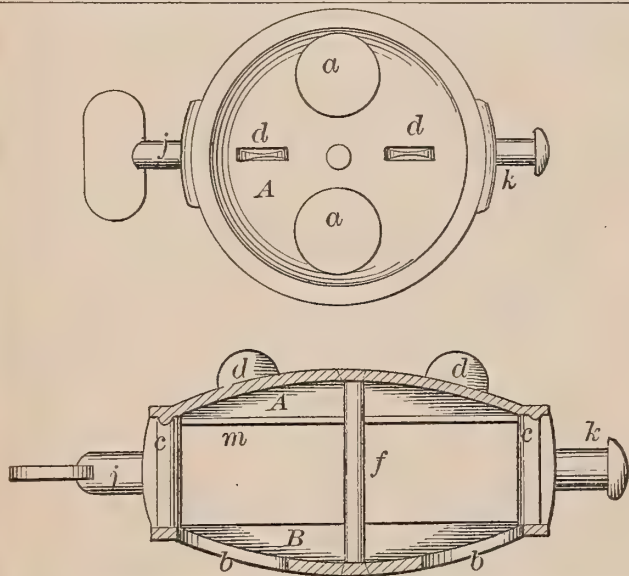
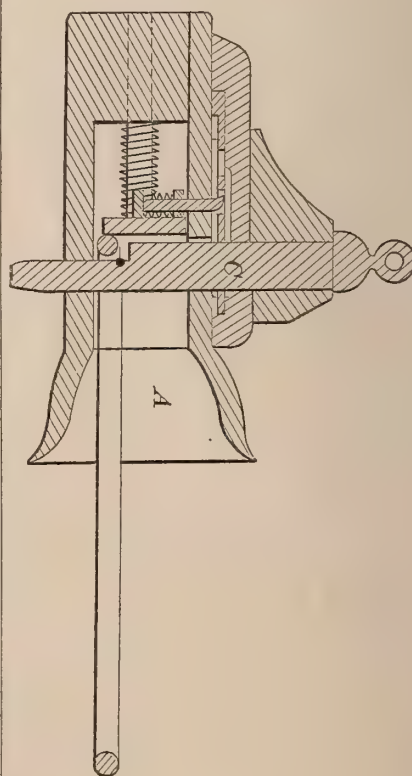
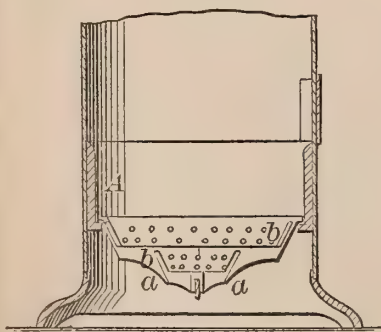
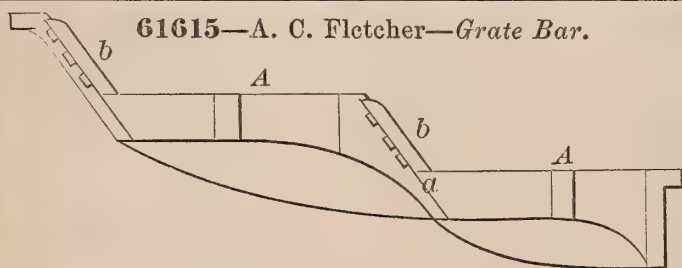
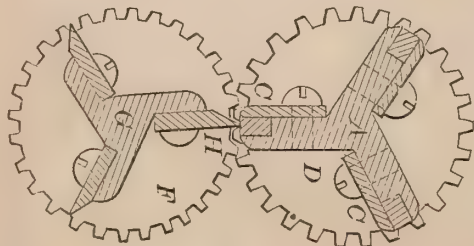
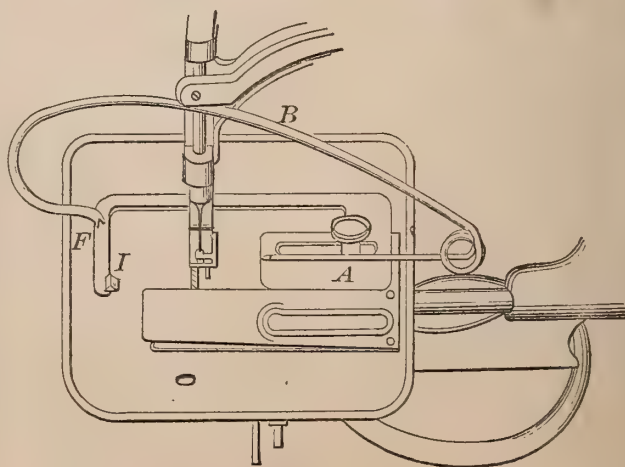
61611—G. K. Dearborn—Window Frame.



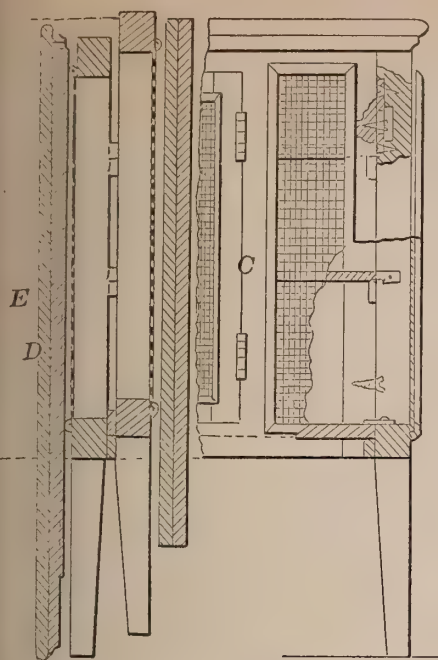
61610—R. H. Cutter—Bed Lounge.



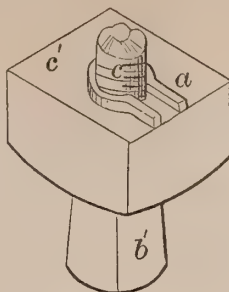


61612—J. J. & D. Decker—*Piano Forte.*61614—G. Dryden—*Piston Packing.*61613—D. De Garro—*Store Pipe Damper.*61616—G. B. French—*Car Coupling.*61615—A. C. Fletcher—*Grate Bar.*61617—W. Gale—*Straw Cutter.*61618—H. C. Goodrich—*Sewing Machine.*

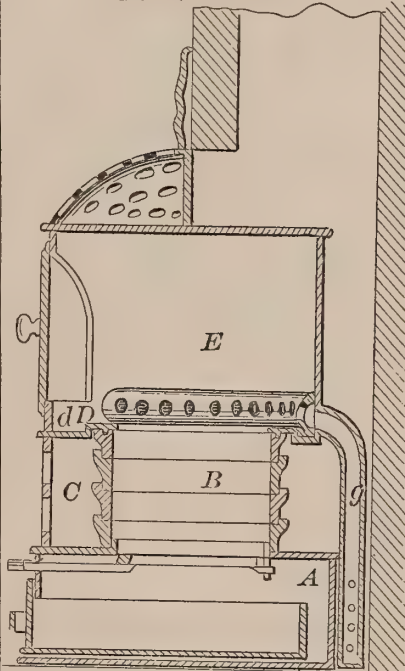
61619—F. S. Gwyer—*Meat Safe.*



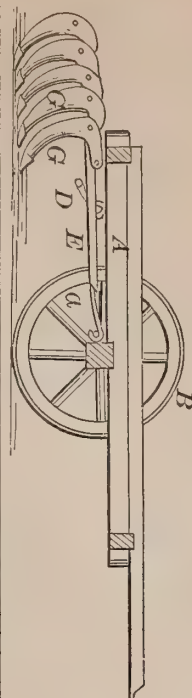
61620—Harris & Browning—*Nut Fastener.*



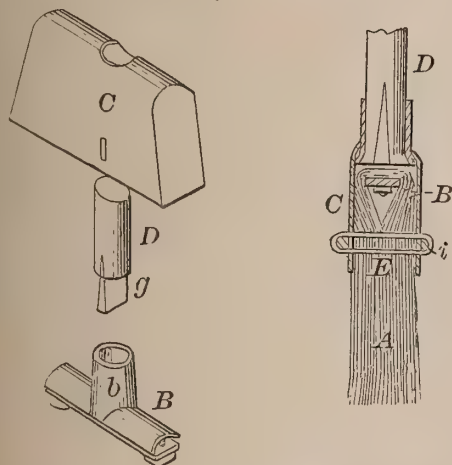
61623—W. C. Lester—*Fire Place Heater.*



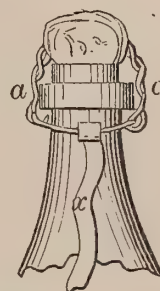
61622—J. Kessler—*Cultivator.*



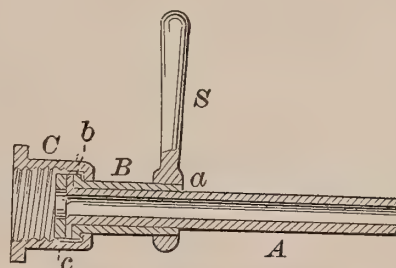
61621—J. M. Hotaling—*Broom Head.*



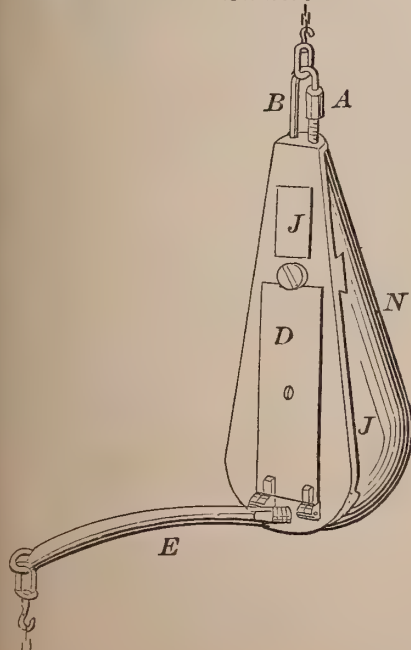
61624—A. Manuel—*For Uncorking Bottles.*



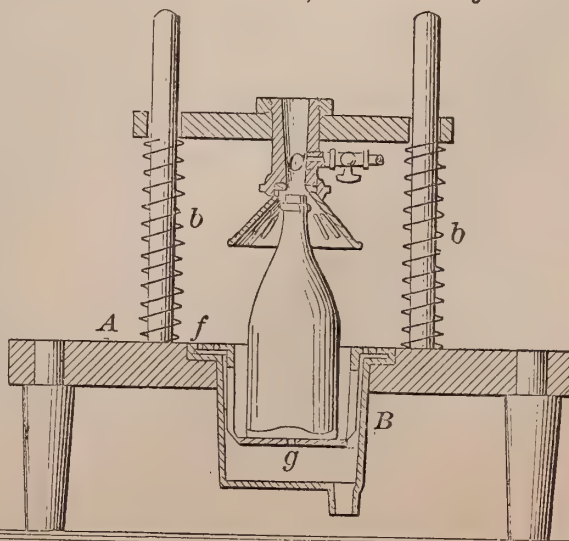
61626—J. Matthews, Jr.—*Pipe Coupling.*



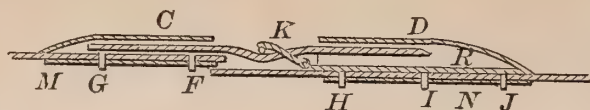
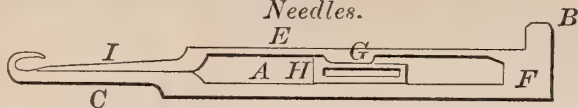
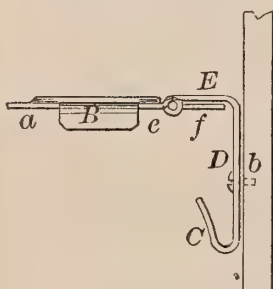
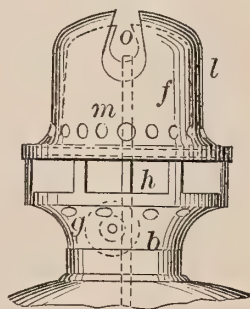
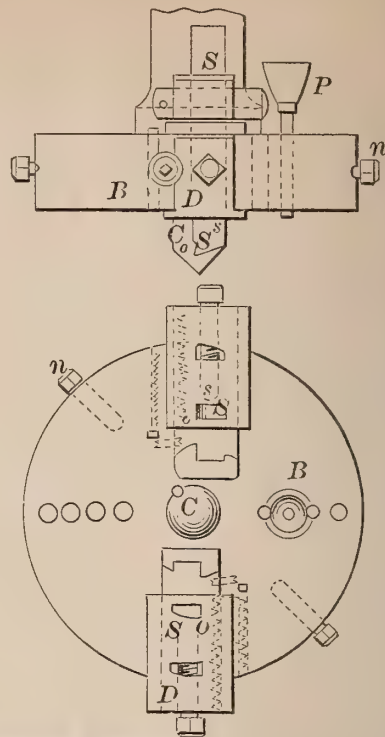
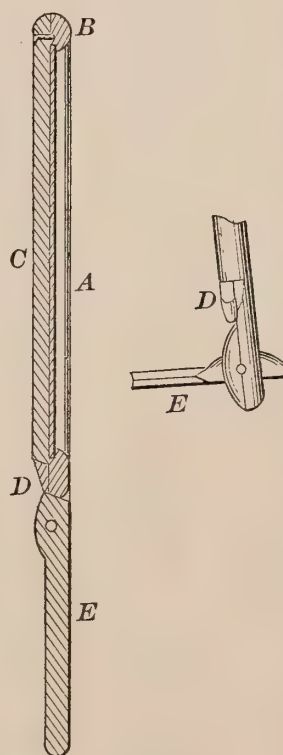
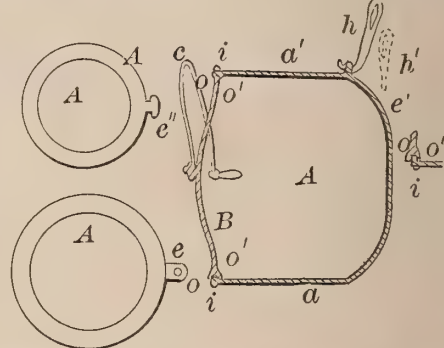
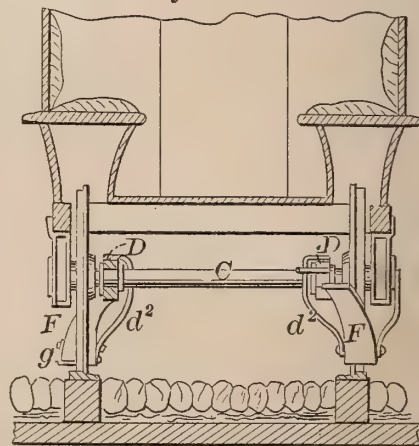
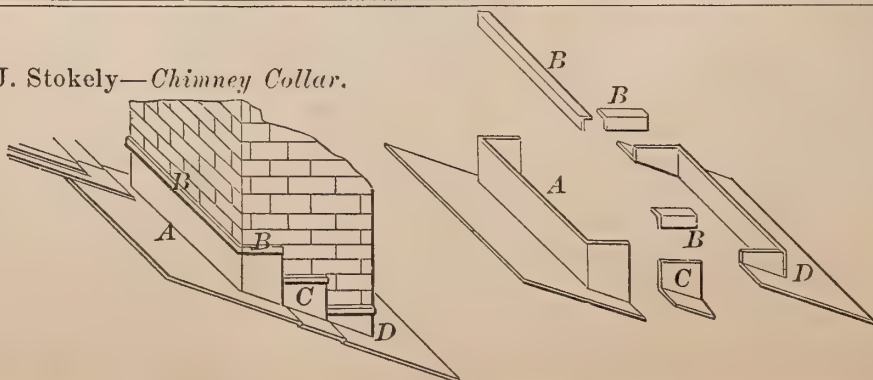
61625—J. R. Martin—*Fishing Line Sinker.*



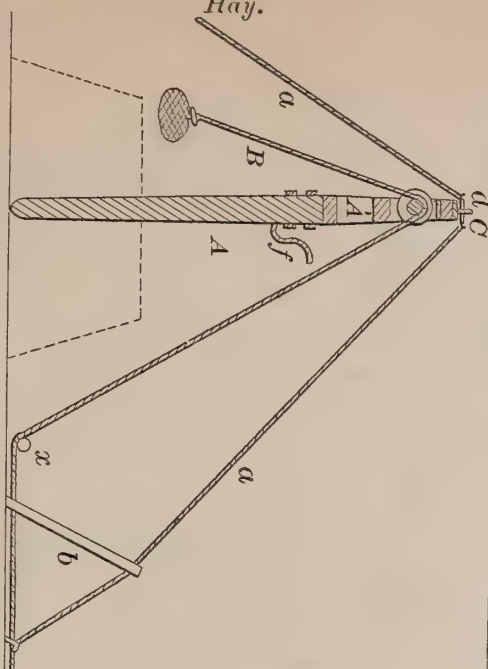
61627—J. Matthews, Jr.—*Bottling Machine.*



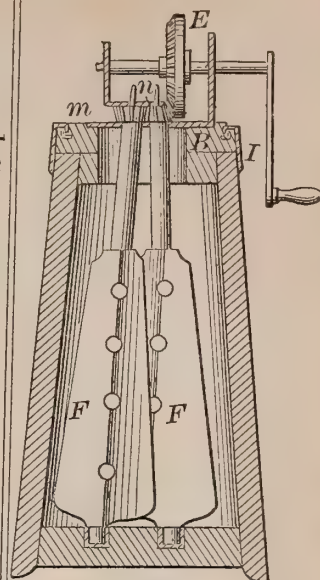


**61628**—R. Meyer—*Buckle Fastening.***61630**—Miller & Bidwell—*Knitting Machine Needles.***61633**—E. J. Post—*Hat and Coat Holder.***61634**—T. Rowatt—*Lamp Burner.***61629**—J. Miller—*Boring Tool.***61635**—J. H. Ryan—*Toilet Glass.***61636**—A. Selkirk—*Kettle Cover, &c.***61637**—W. Siefert—*Safety Guard for Cars.***61639**—J. Stokely—*Chimney Collar.*

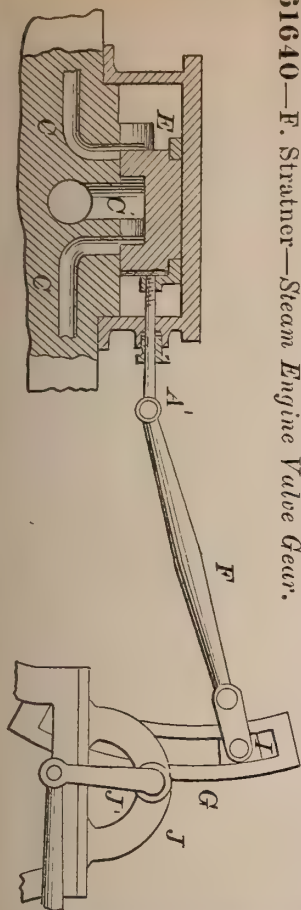
61642—C. H. Tryon—*For Stacking Hay.*



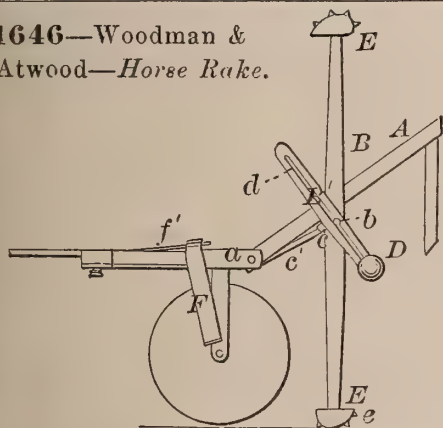
61645—M. Whisler—*Churn.*



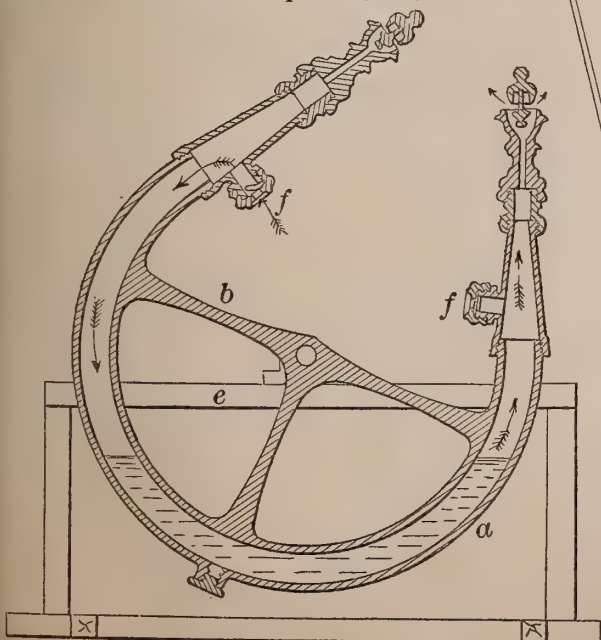
61640—F. Straher—*Steam Engine Valve Gear.*



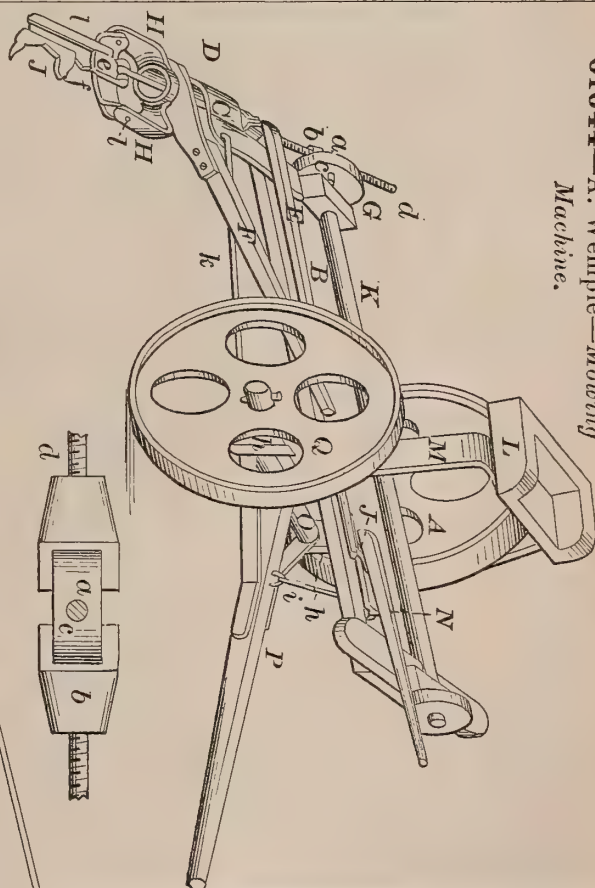
61646—Woodman & Atwood—*Horse Rake.*



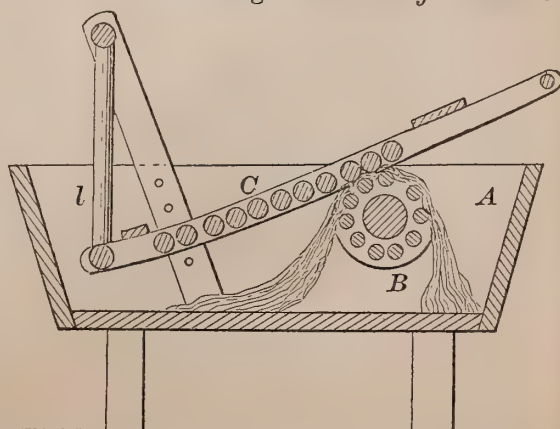
61643—I. V. Trump—*Fog Signal.*



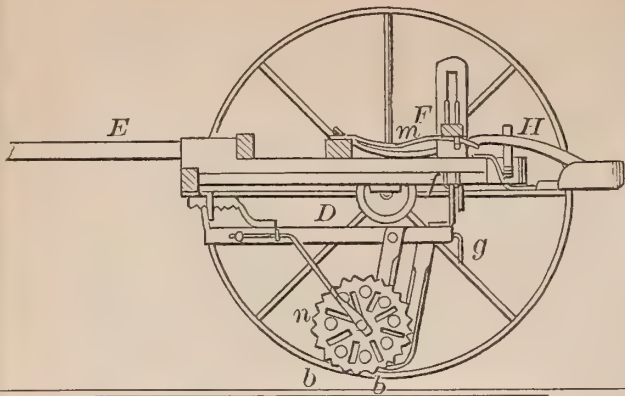
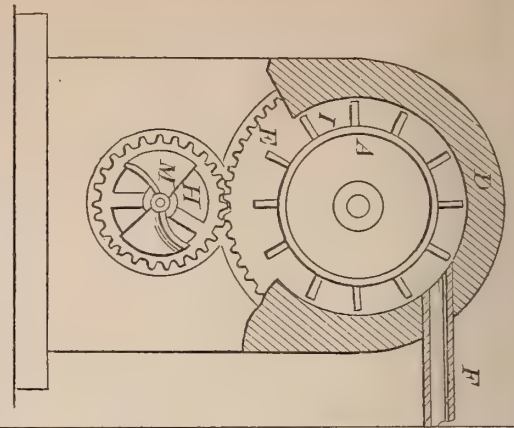
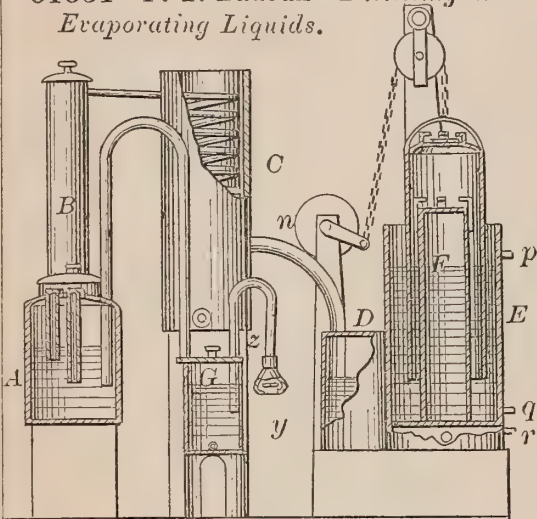
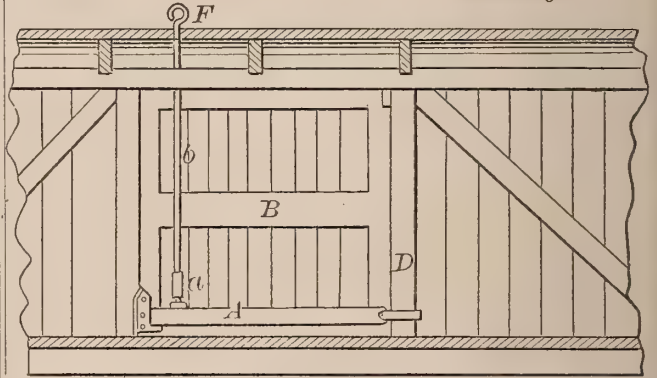
61644—A. Wemple—*Mowing Machine.*



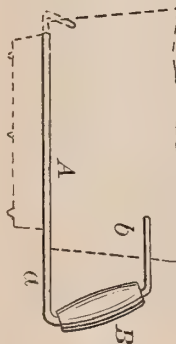
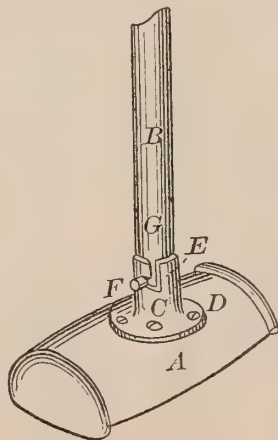
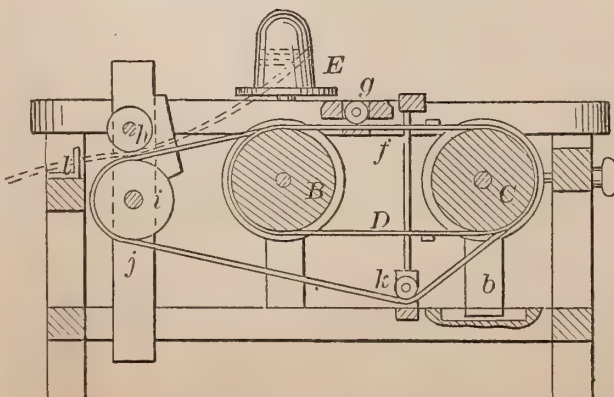
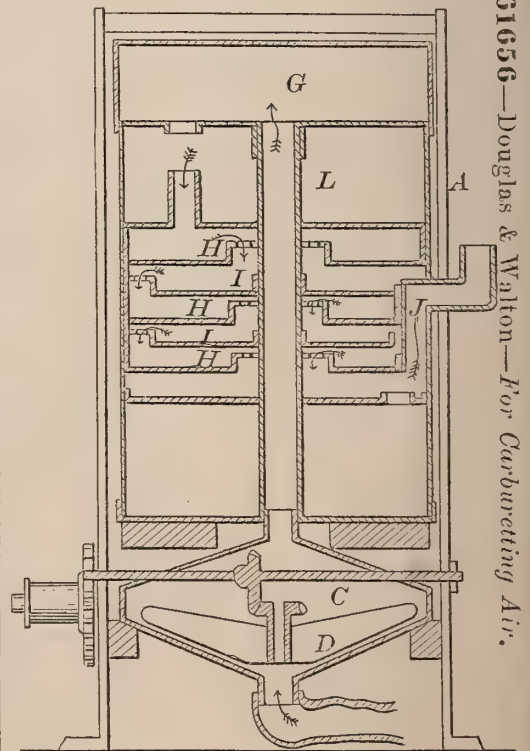
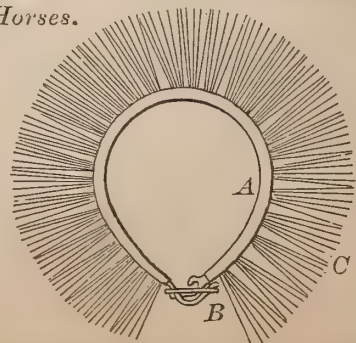
61647—L. C. Wright—*Washing Machine.*



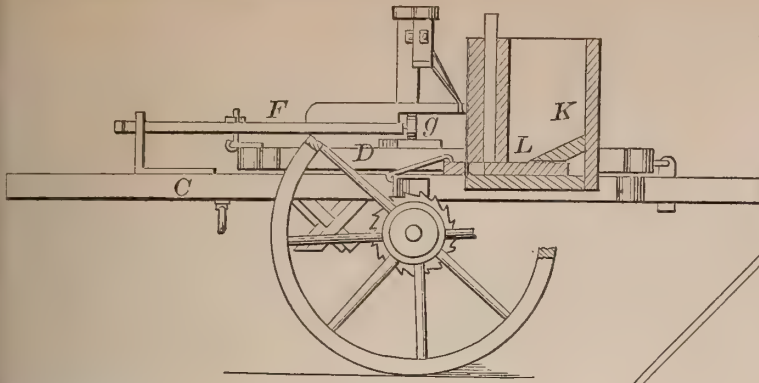


61649—A. H. Allison—*Cultivator.*61450—H. O. Ames—*Rotary Steam Pump.*61651—P. T. Badoux—*Distilling and Evaporating Liquids.*61452—H. D. Bird—*Car Door Fastening.*61654—Coester & Dewey—*Tipping*

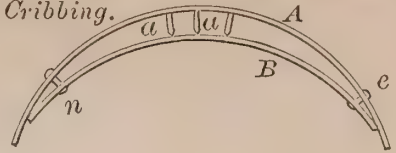
Attachment for Kettles, &amp;c.

61658—A. Eddowes—*Brush Handle.*61660—J. Fraser—*Marking Skirt Wire.*61656—Douglas & Walton—*For Carburetting Air.*61455—J. J. Davy—*Bristle Boot for Horses.*

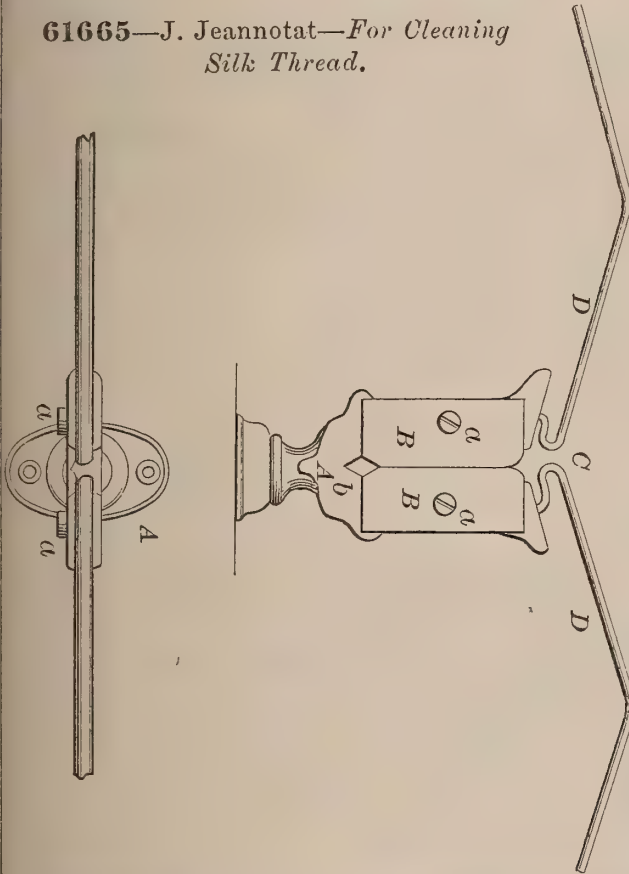
61661—W. K. Garrison—*Cultivator.*



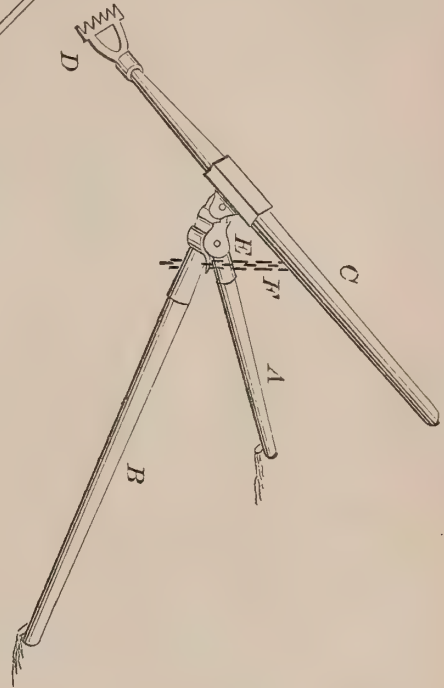
61666—Jennings & Marshall—*For Preventing Horses from Cribbing.*



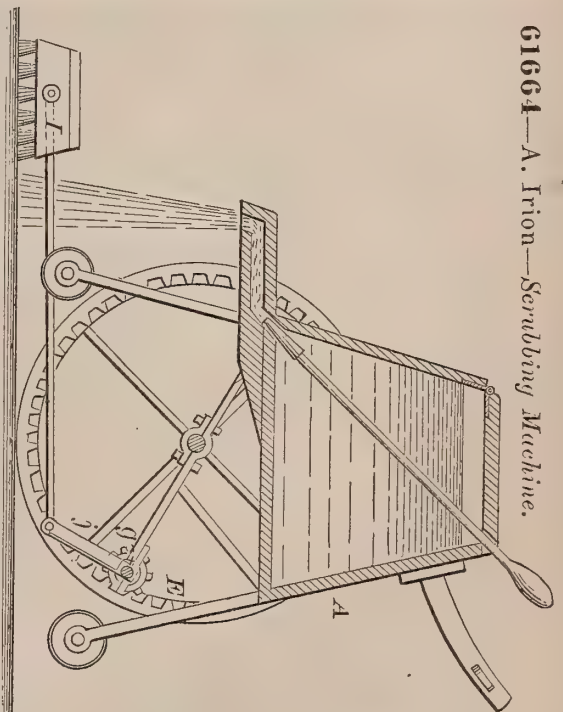
61665—J. Jeannotat—*For Cleaning Silk Thread.*



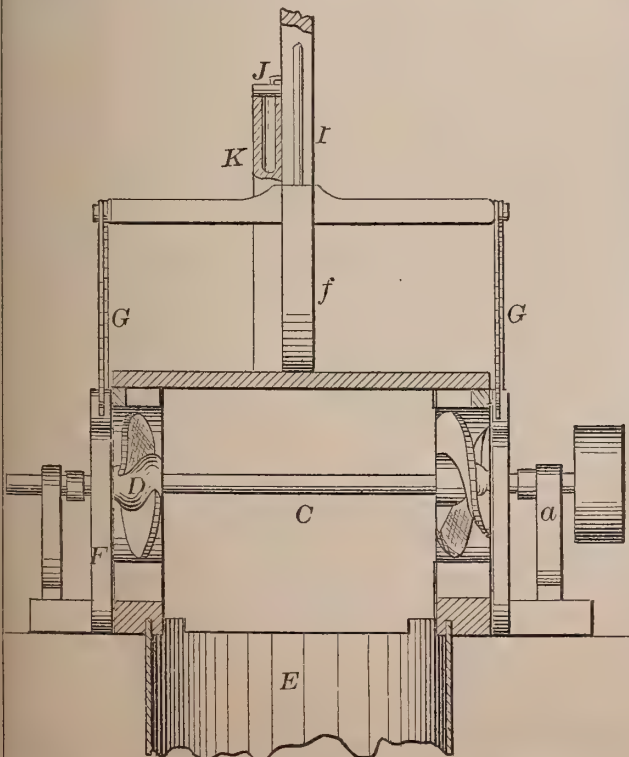
61663—H. Ilungerford—*Carpet Stretcher.*



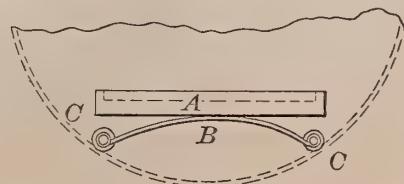
61664—A. Trion—*Scrubbing Machine.*



61667—A. P. Johnson—*Water Wheel.*

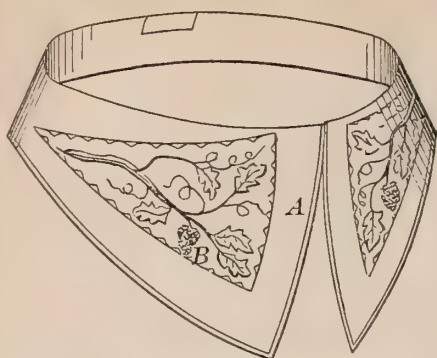


61668—W. A. Jordan—*Washboard.*

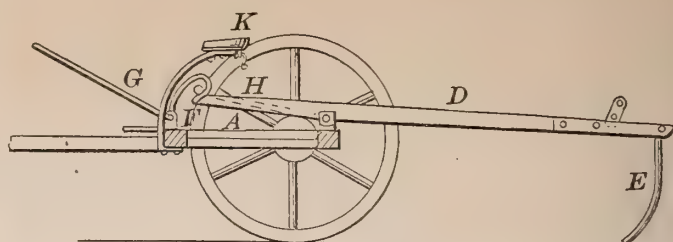




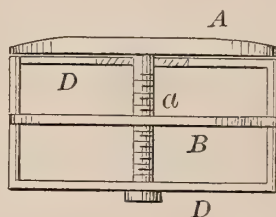
**61669**—A. Kaufmann—*Paper Collar.*



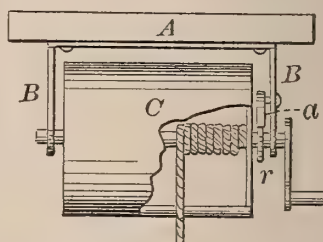
**61670**—A. Krause—*Horse Rake.*



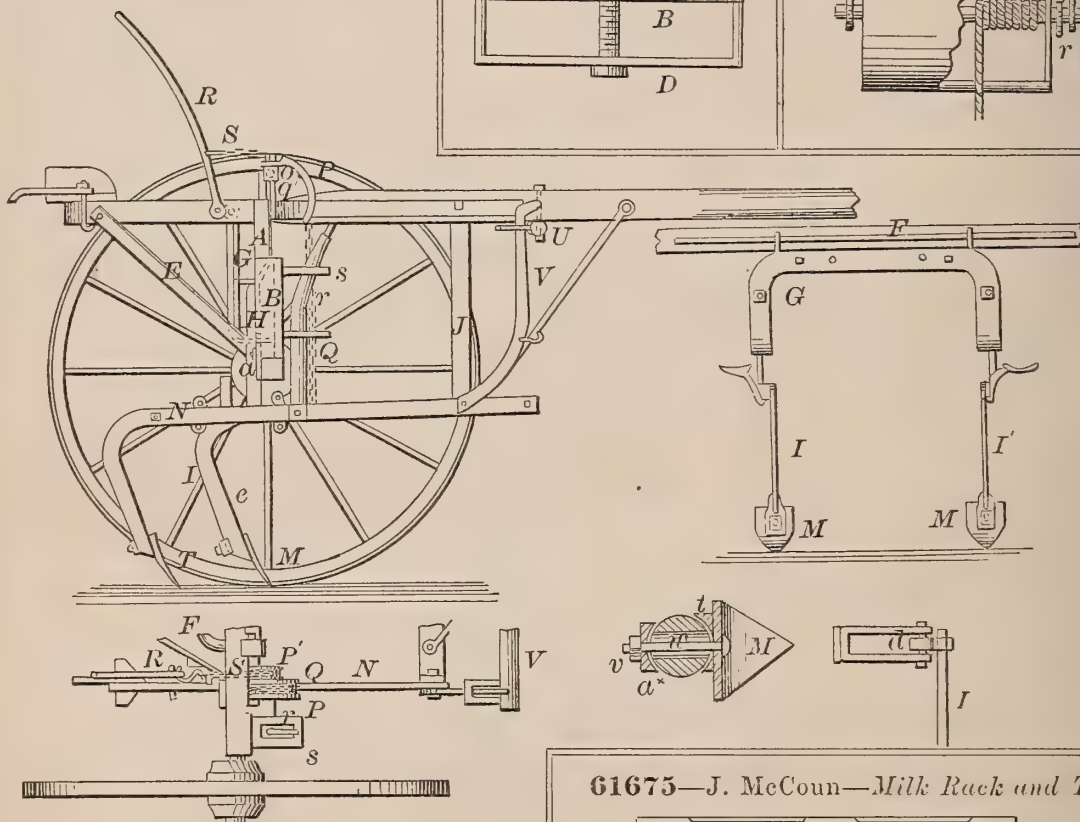
**61671**—G. A. Lingard—*Stud Fastening.*



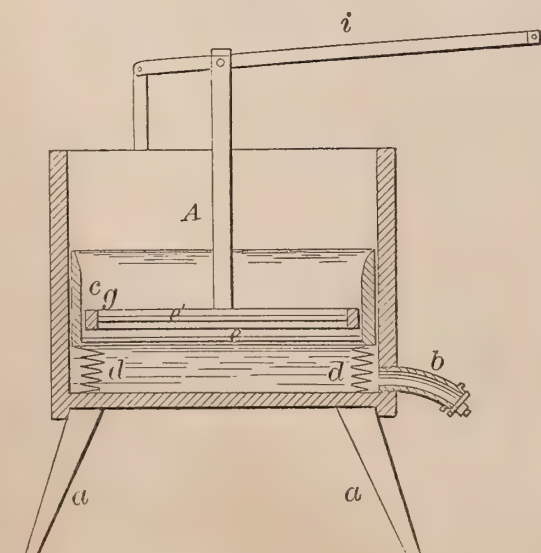
**61672**  
I. E. Loughborough—*Clothes Line Reel.*



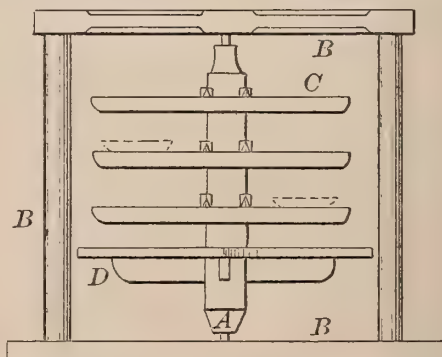
**61674**—I. B. Mahon—*Cultivator.*



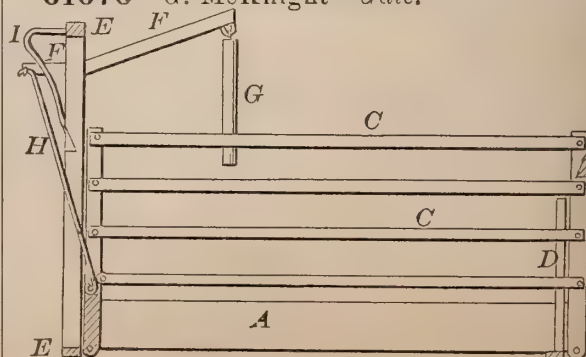
**61673**—C. M. Mack—*Washing Machine.*



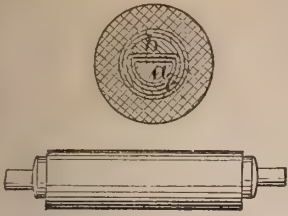
**61675**—J. McCoun—*Milk Rack and Table.*



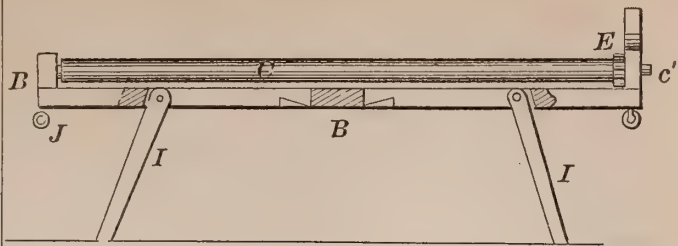
**61676**—G. McKnight—*Gate.*



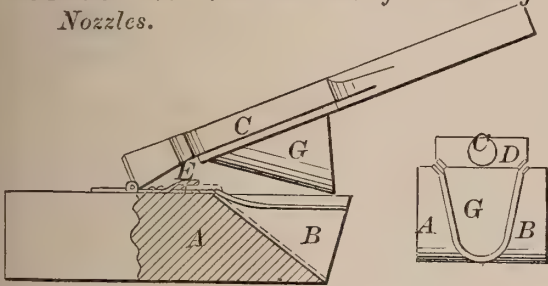
**61677**—C. V. Mead—*Wringer Roller.*



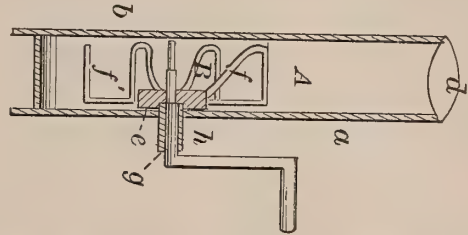
**61681**—E. M. Payne—*Folding and Cot Bedstead.*



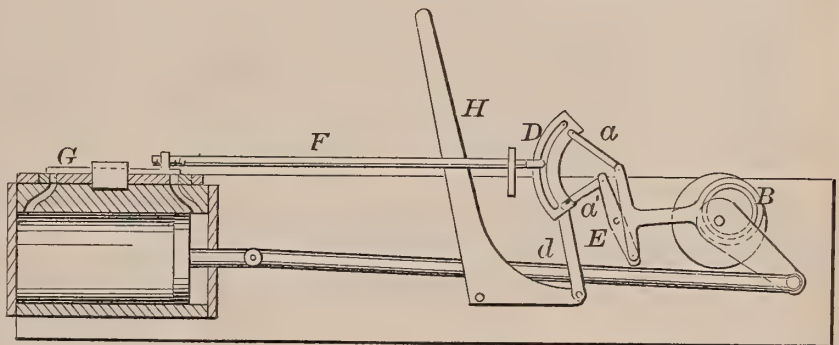
**61678**—W. H. Miller—*Die for Bending Nozzles.*



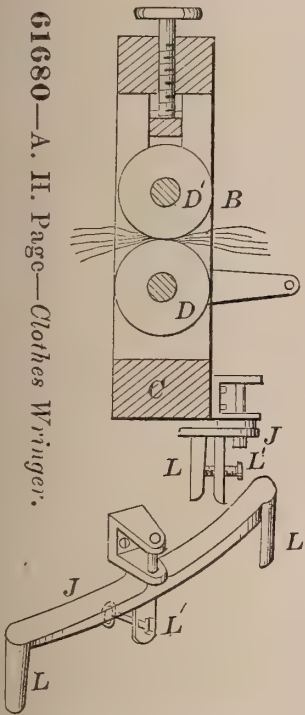
**61679**—F. Oakley—*Egg and Cream Beater.*



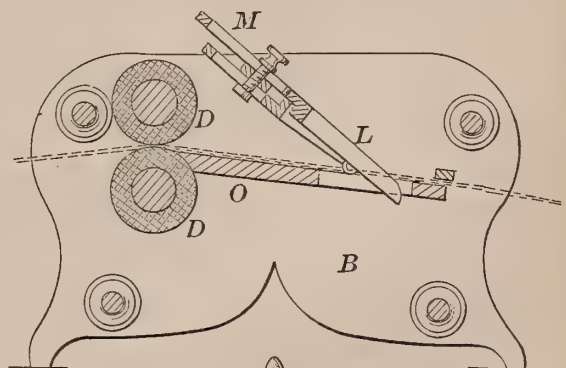
**61682**—C. C. P. Peabody—*Steam Engine Valve Gear.*



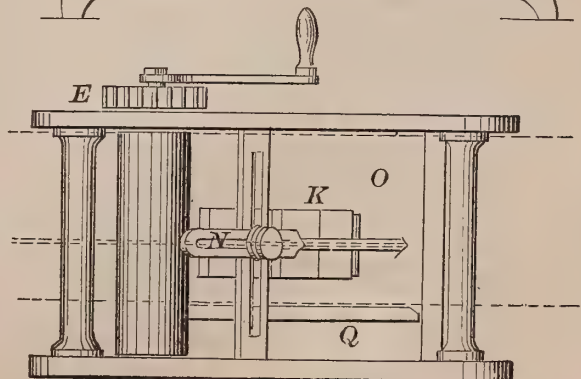
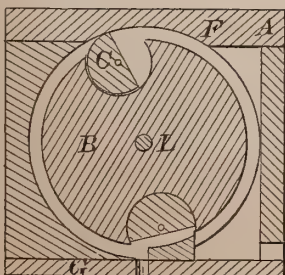
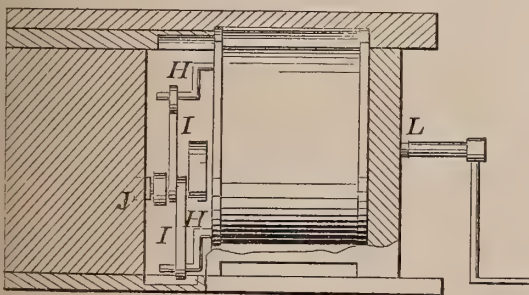
**61680**—A. H. Page—*Clothes Wringer.*



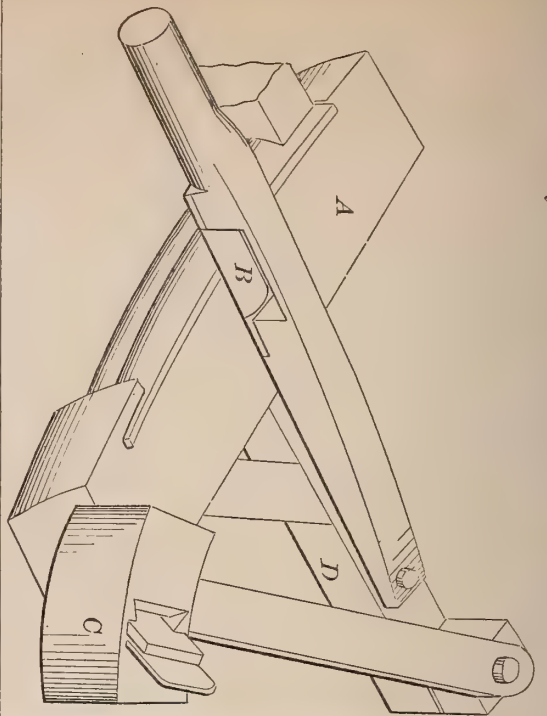
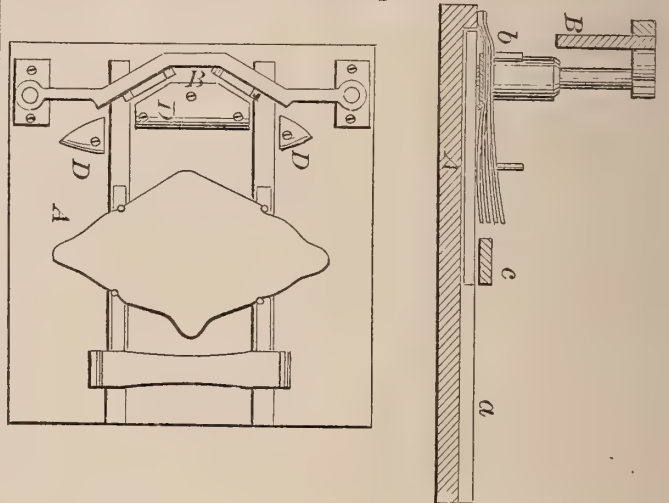
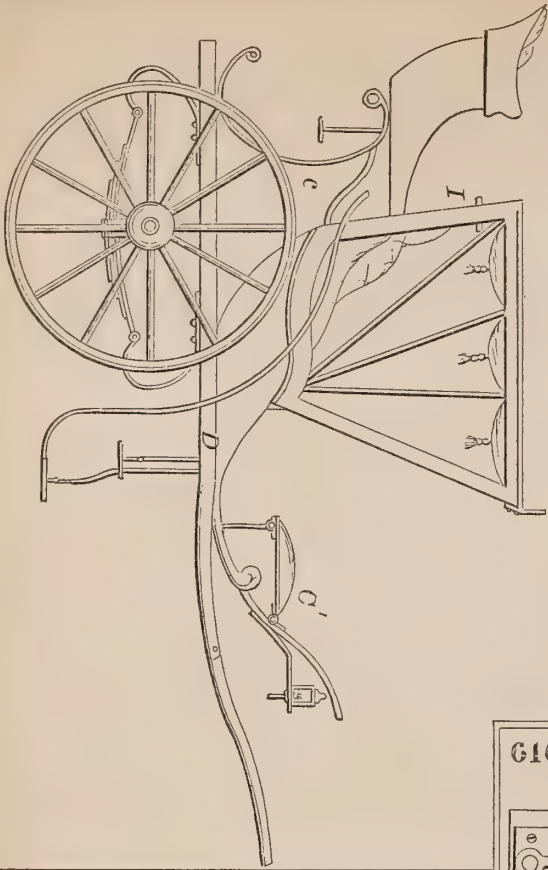
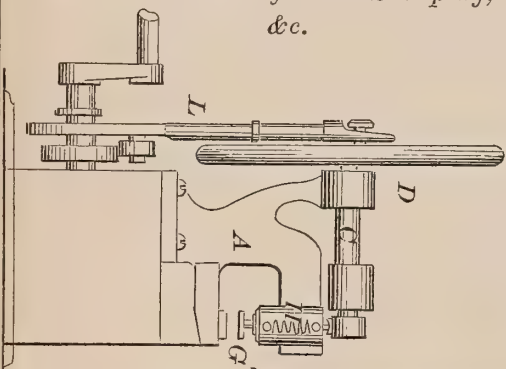
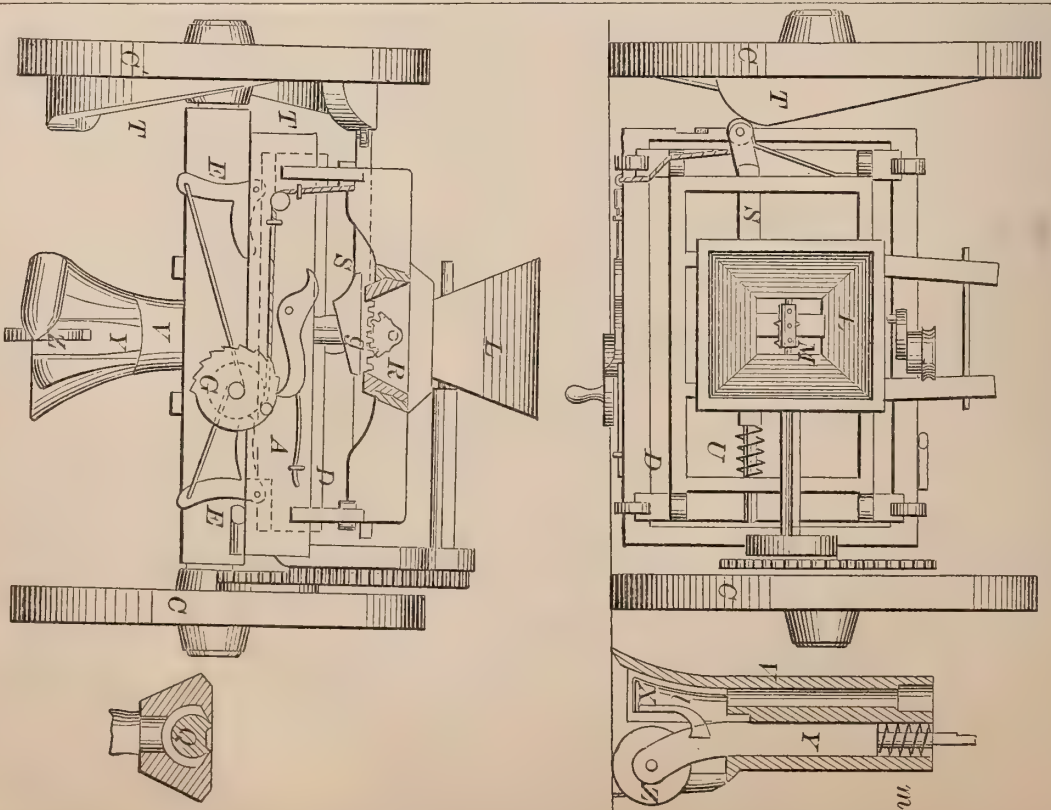
**61683**—H. H. Pember—*For Cutting Canvas, &c.*



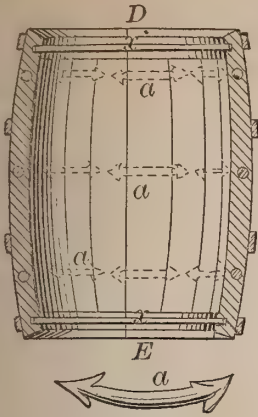
**61684**—H. Phinney—*Rotary Bellows.*



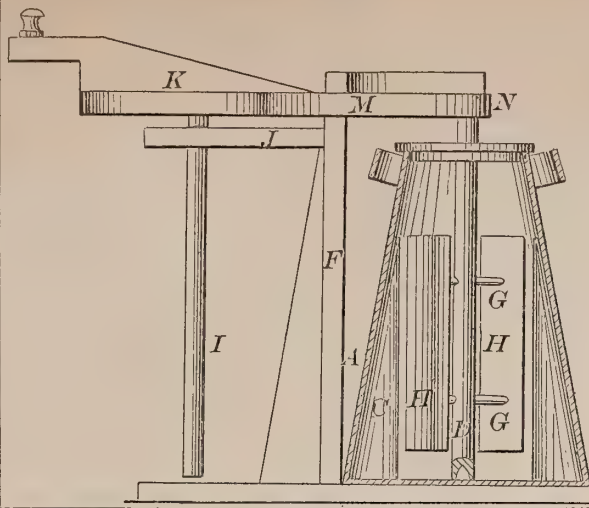


61688—J. F. Sayer—*Stave Joiner*.61687—G. H. Reay—*Envelope Machine*.61685—J. Pol—*Cab*.61686—G. H. Reay—*For Stamping, &c.*61689—J. Shattuck—*Seed Planter*.

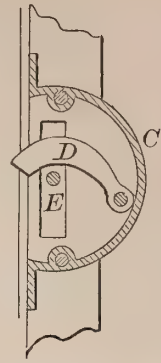
61690—S. Shea—*Barrel or Cask.*



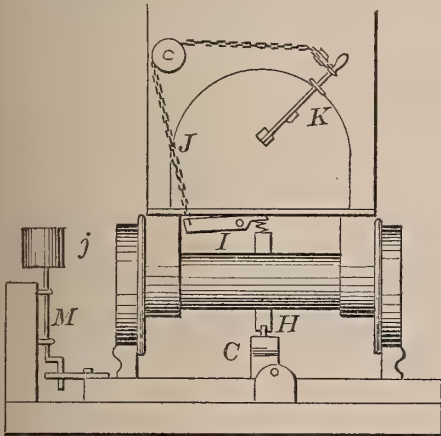
61691—R. Stanley—*Churn.*



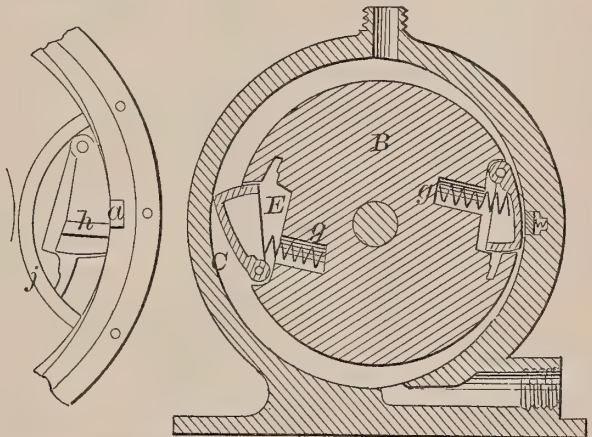
61692—W. H. Truesdell—*Sash Fastener.*



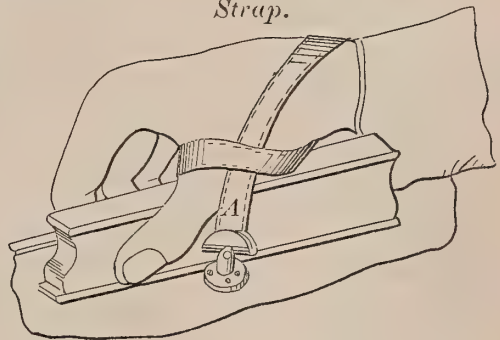
61693—M. Wallwork—*Preventing Accidents on Railroads.*



61695—J. R. Willett—*Rotary Engine.*



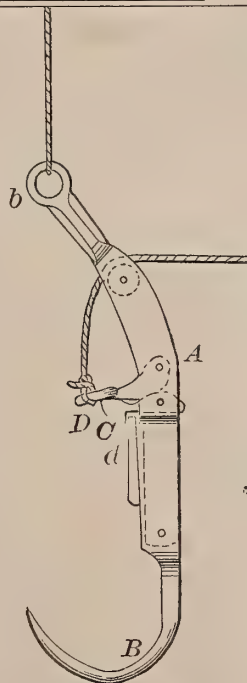
61698—C. F. Zimmermann—*Accordeon Strap.*



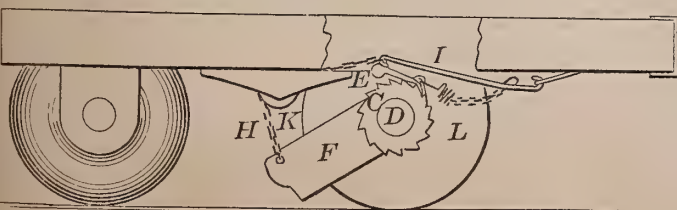
61694—J. B. Wiesmann—*Express Call Sign.*



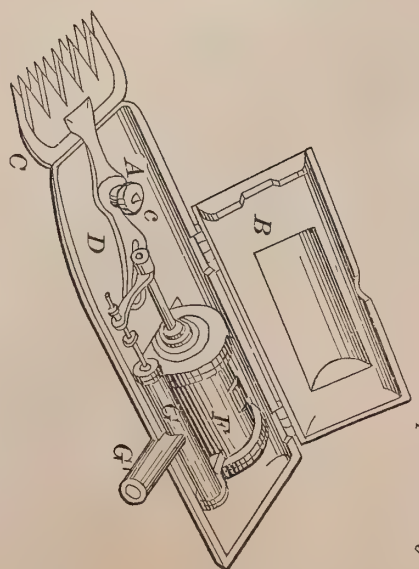
61697—E. B. Woodruff—*Horse Hay Fork.*



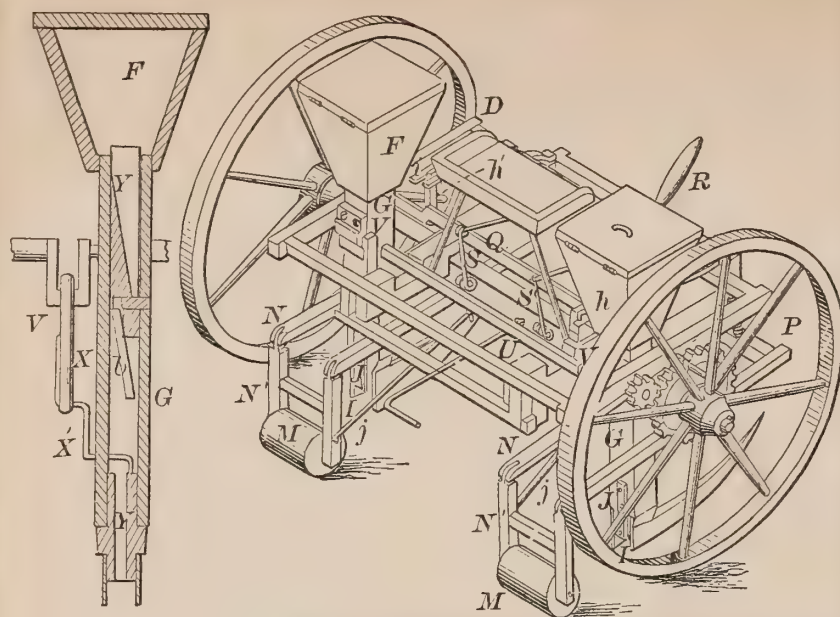
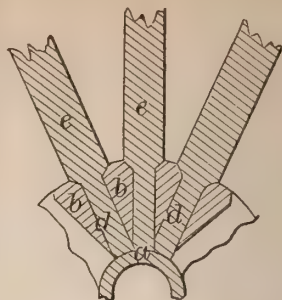
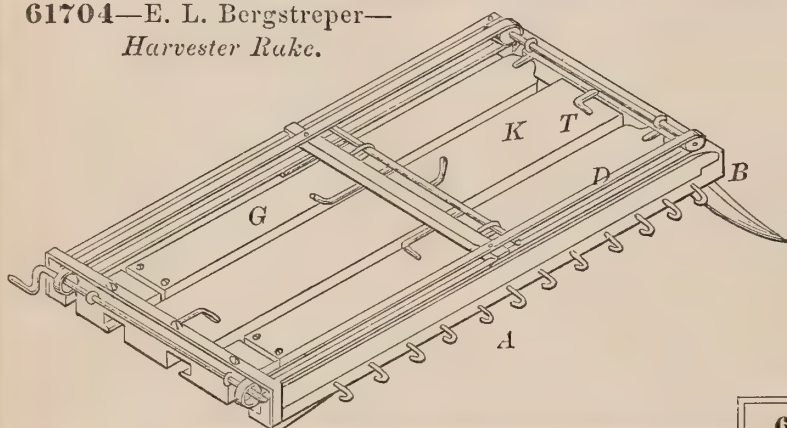
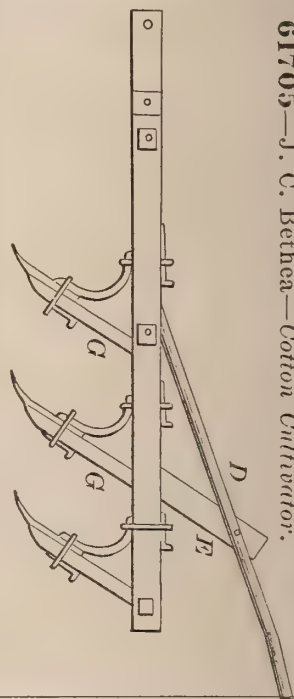
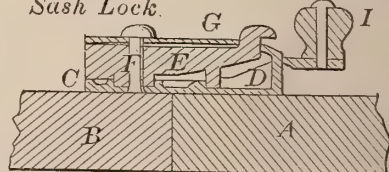
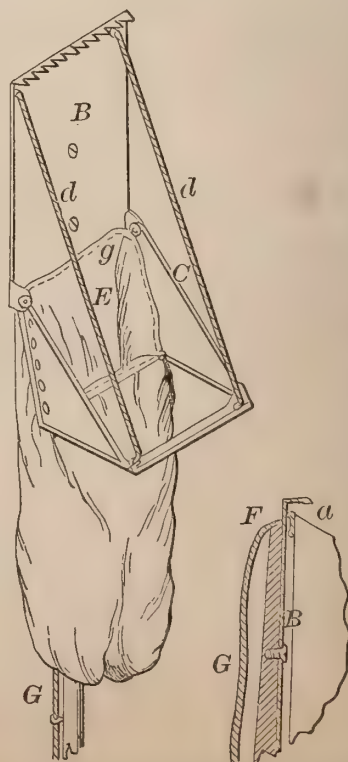
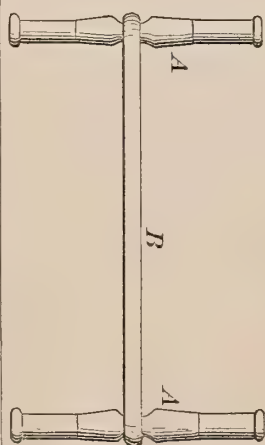
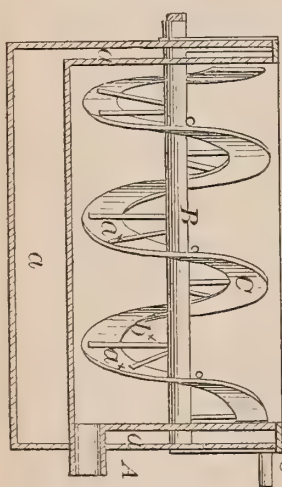
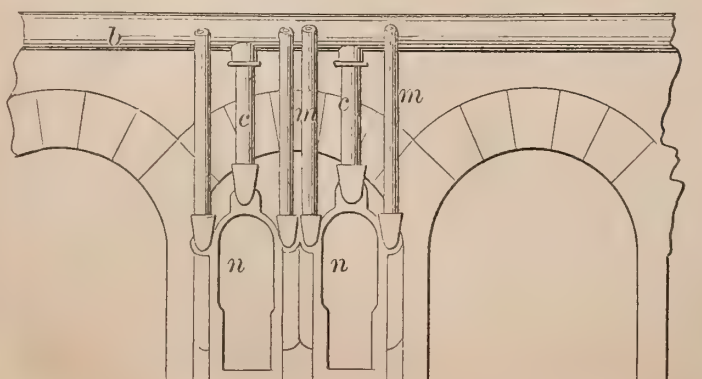
61699—J. Adams—*Starting Street Cars.*



61700—P. Anderson—*For Sheep Shearing.*





61701—A. Barber—*Corn Planter.*61703—N. S. Bean—*Carriage Wheel.*61704—E. L. Bergstreper—*Harvester Rake.*61705—J. C. Betha—*Cotton Cultivator.*61708—E. K. Breckenridge—*Sash Lock.*61709—W. Brown—*Fruit Picker.*61702—S. M. Barnett—*Chest Expander.*61707—P. Bradford—*For Ornamenting Coffin Screws.*61706—A. Borgnet—*For Smelting Zinc Ores.*

61710—Buckham & Evans—*Tinsmith's Seaming Machine.*

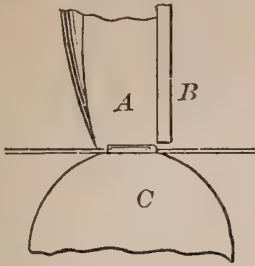


Fig. 1

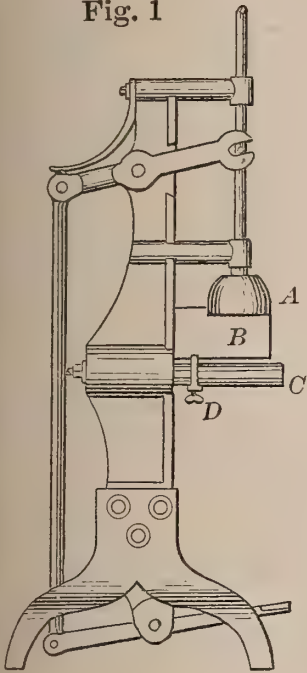
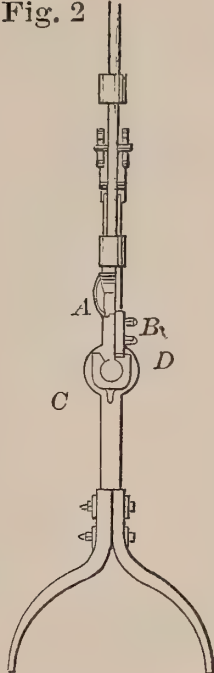
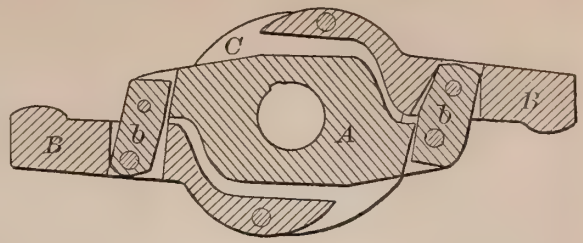


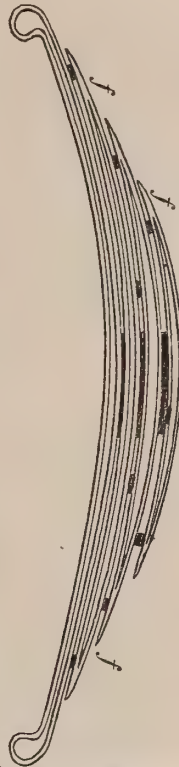
Fig. 2



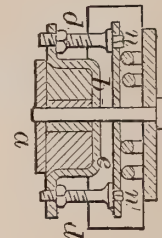
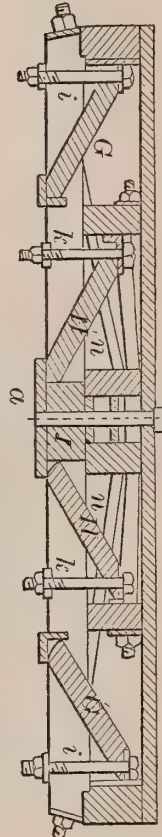
61714—D. R. Clem—*Grinding Mill.*



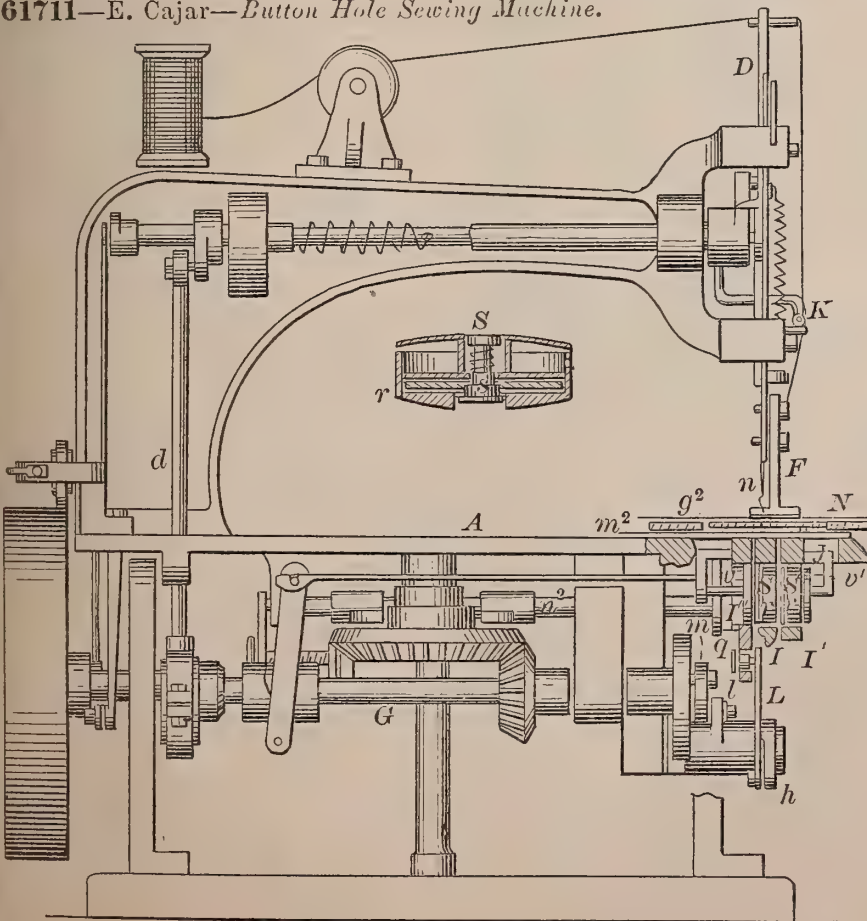
61712—E. M. Chaffee—*Elliptic Carriage Spring.*



61713—J. Christy—*Car Bolster.*



61711—E. Cajar—*Button Hole Sewing Machine.*

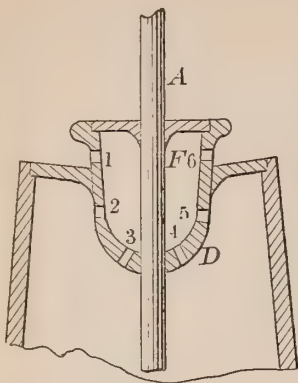


61715—J. W. Close—*Pipe Wrench.*

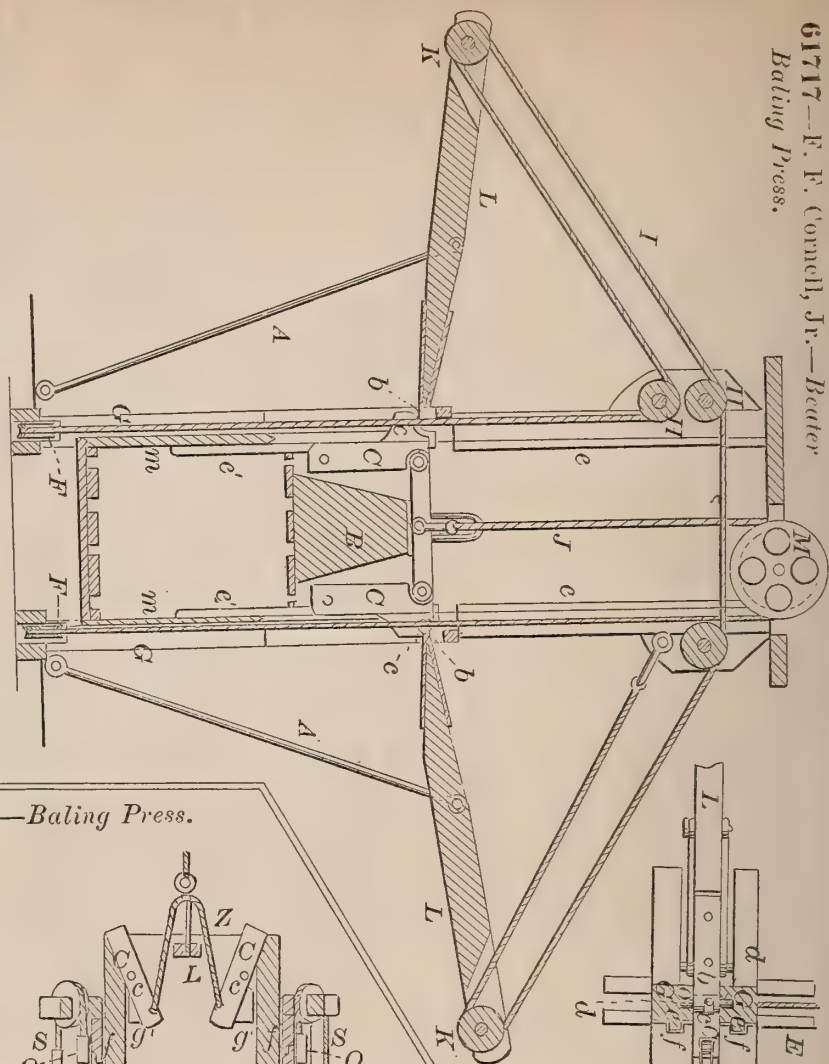




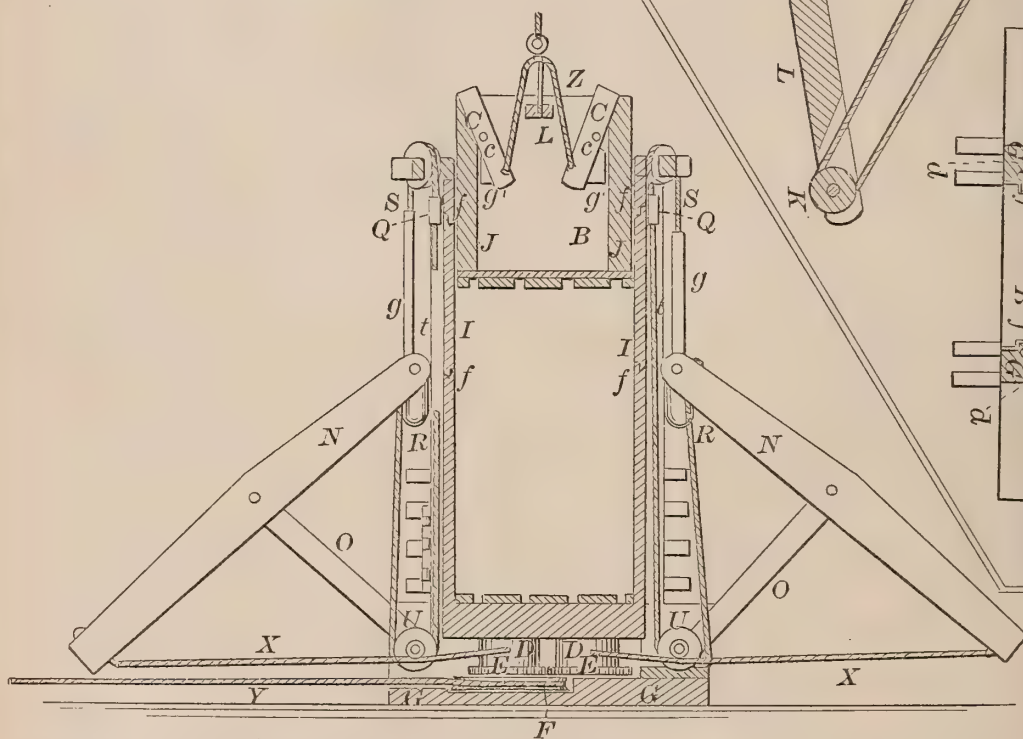
61716—D. W. Clough—  
*Churn.*



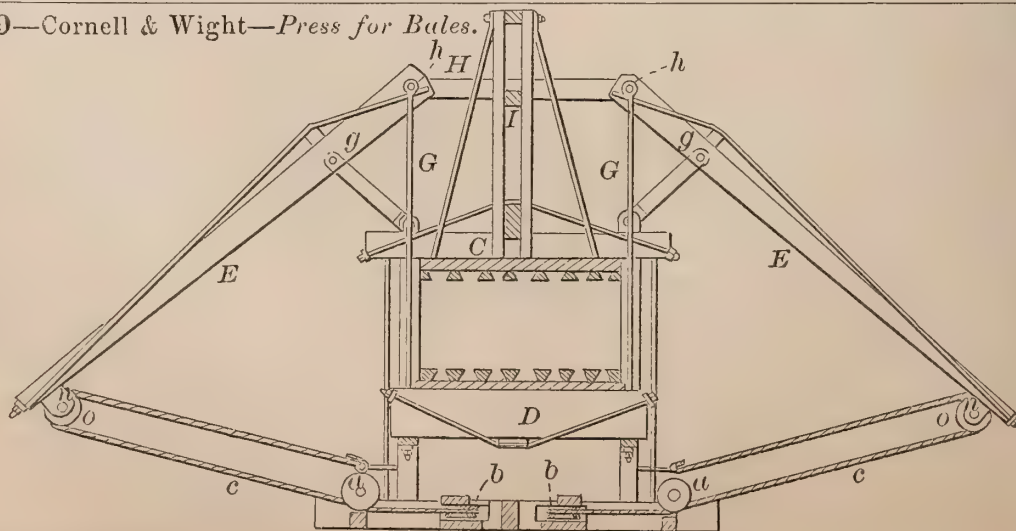
61717—E. F. Cornell, Jr.—*Beetle*  
*Baling Press.*



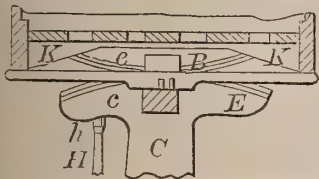
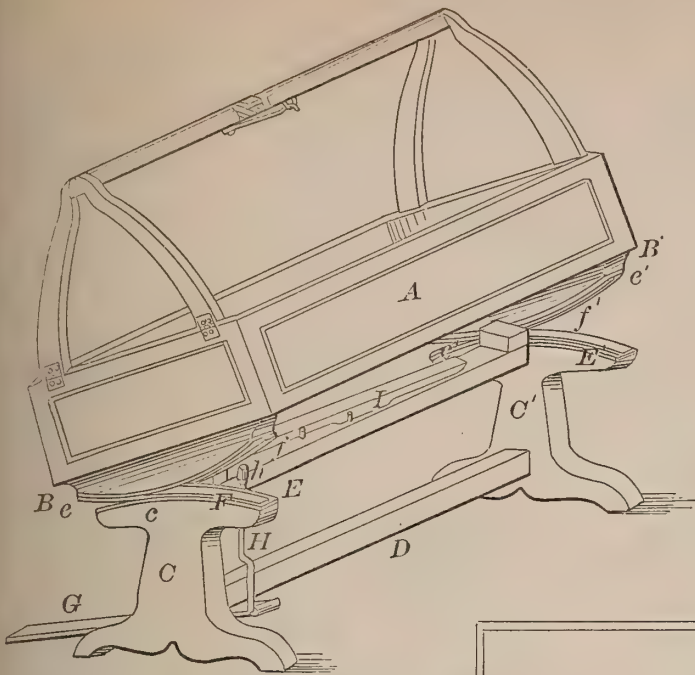
61718—F. F. Cornell Jr.—*Baling Press.*



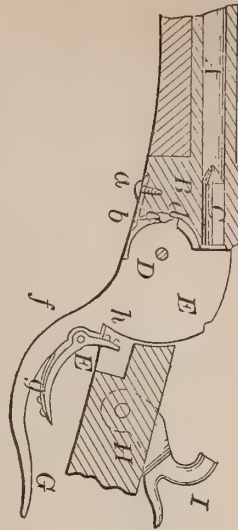
61719—Cornell & Wight—*Press for Bales.*



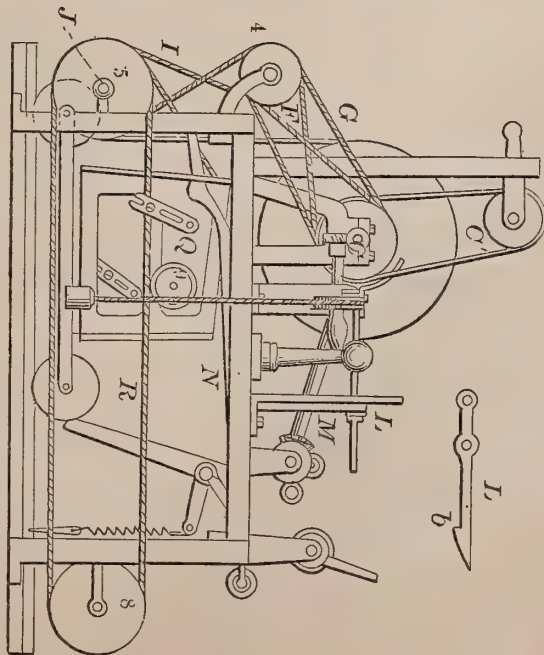
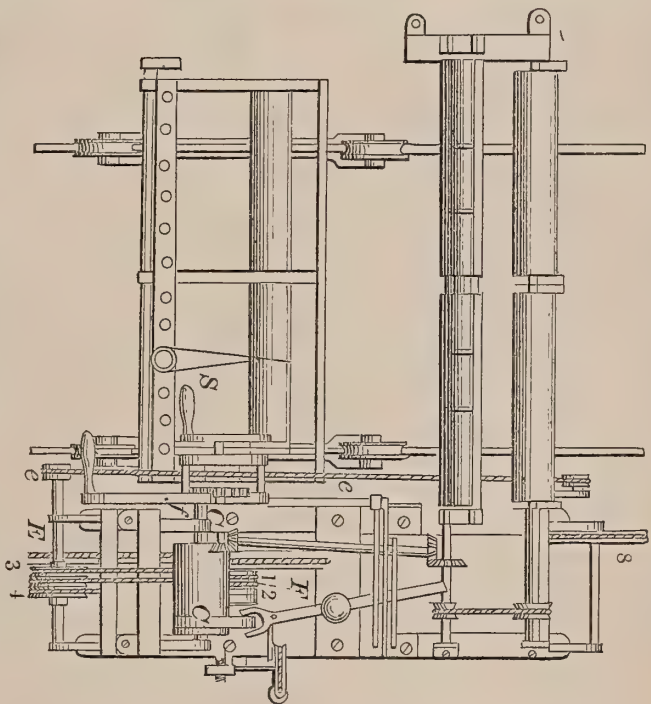
61720—D. Cox—Cradle.



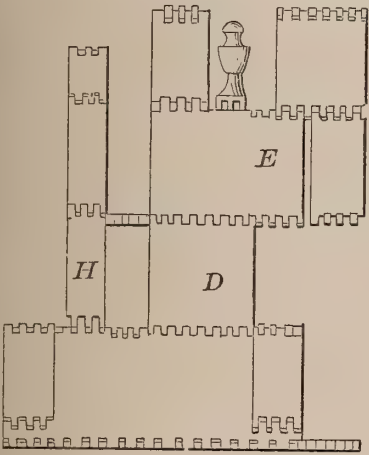
61722—S. Crispin—Breech-Loading Fire Arm.



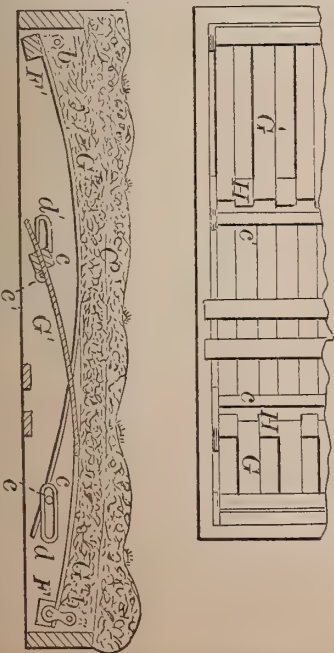
61723—G. Crowther—Spinning Mule.



61721—C. M. Crandall—Building Block.

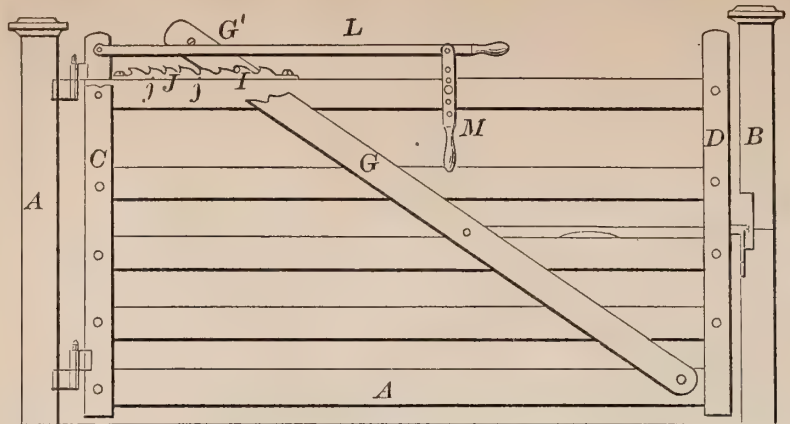


61724—J. W. Davis—Bed Bottom.

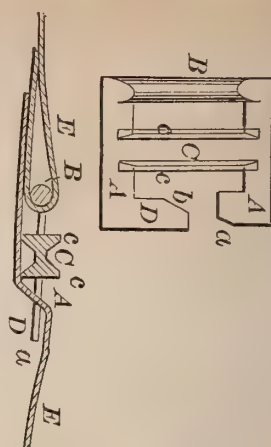




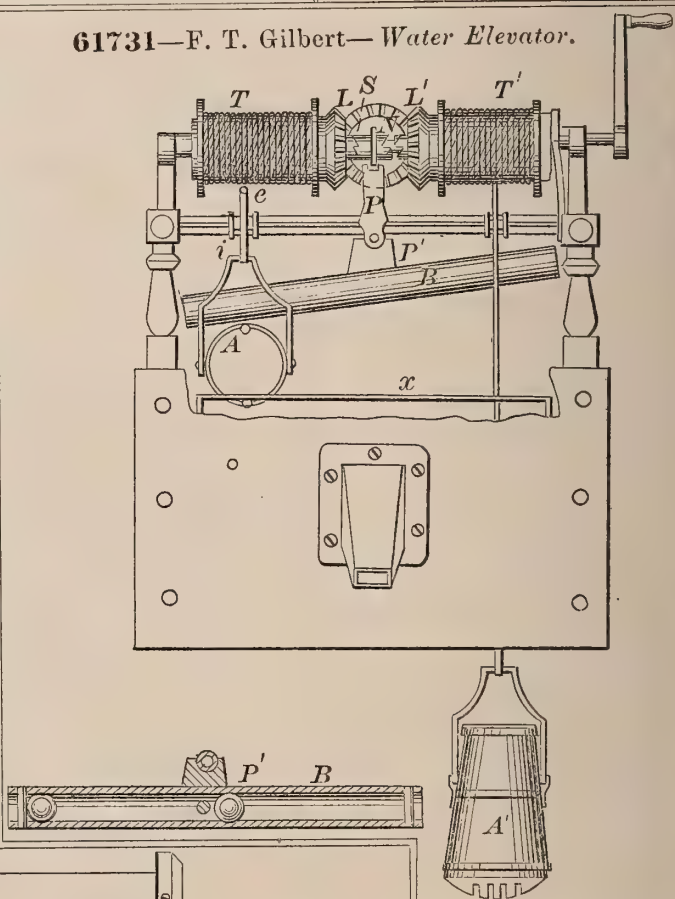
61725—J. Dickason—Gate.



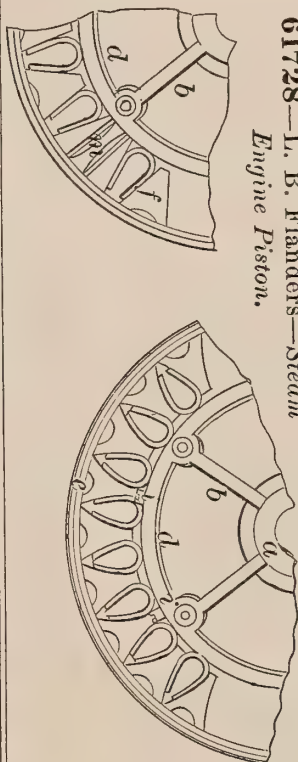
61727—H. Fassmann—Cotton Bale Tie.



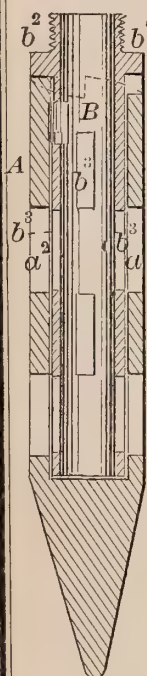
61731—F. T. Gilbert—Water Elevator.



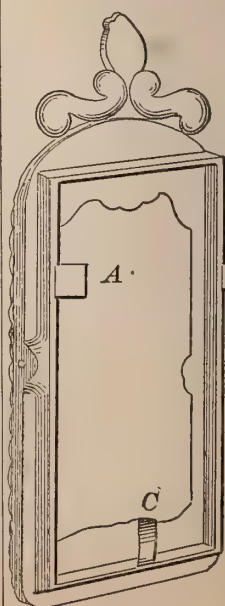
61728—L. B. Flanders—Steam Engine Piston.



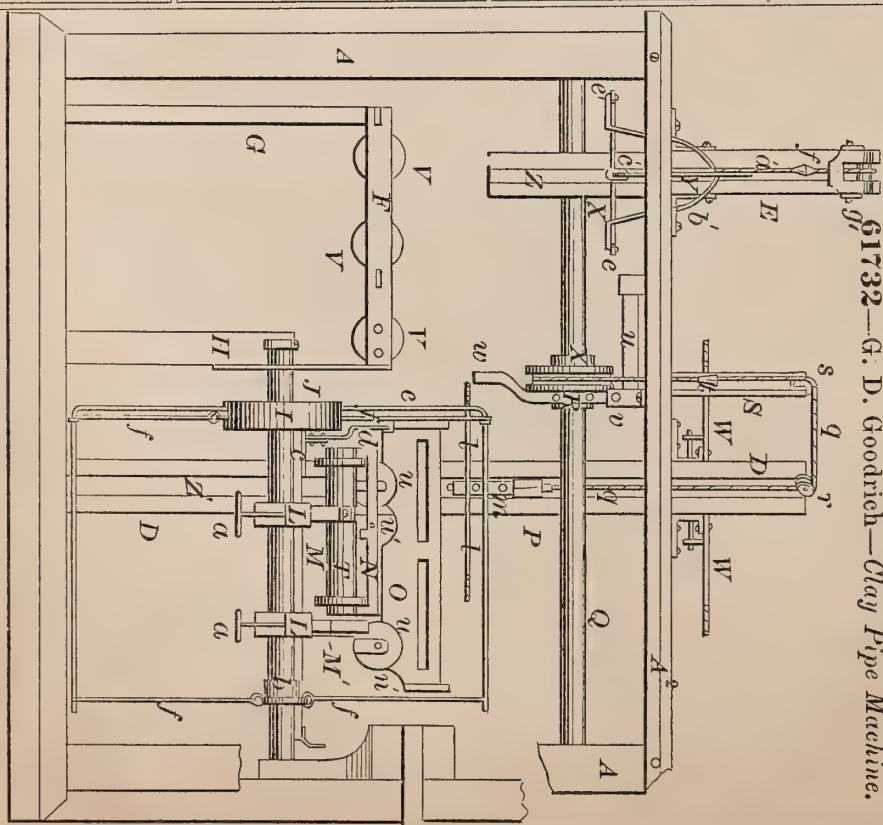
61726—A. J. Edgett—Well Tubing.



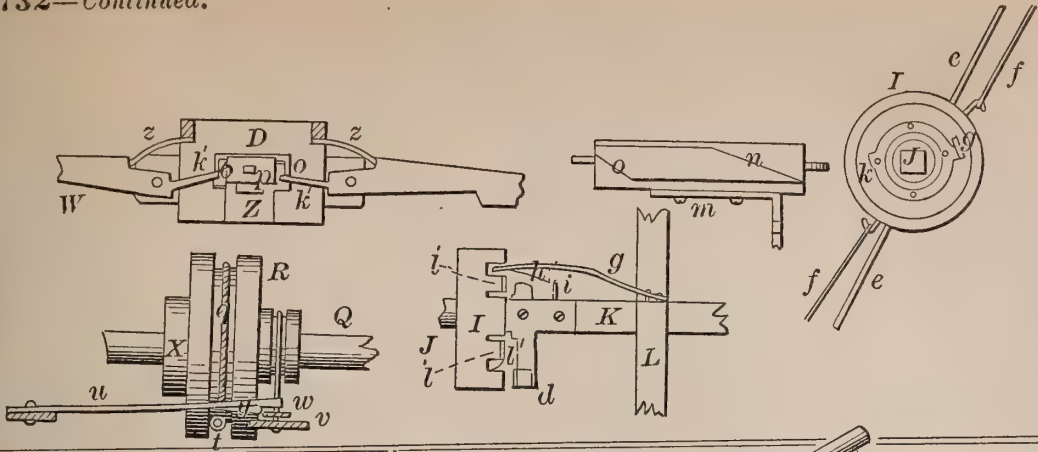
61729—R. Frisbie—Toy Looking Glass.



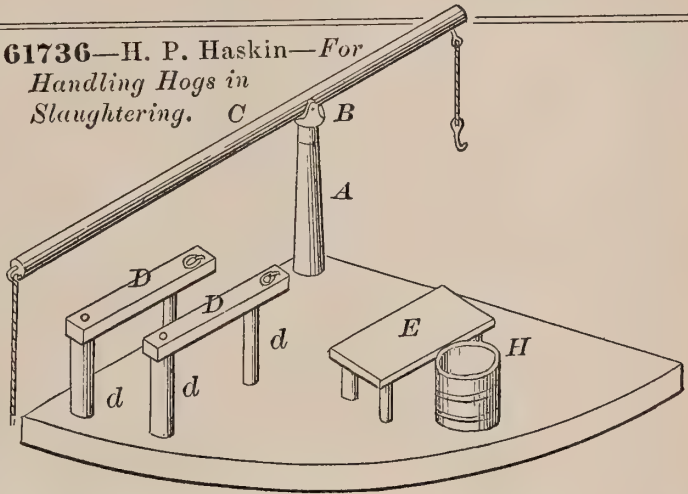
61732—G. D. Goodrich—Clay Pipe Machine.



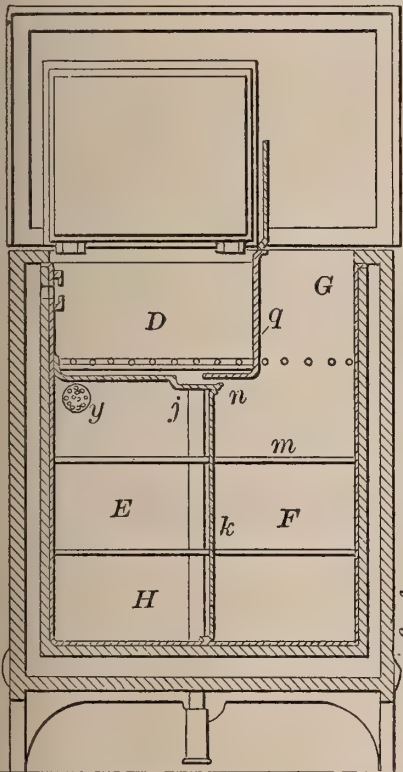
61732—Continued.



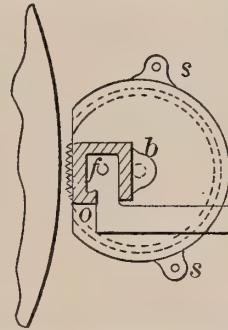
61736—H. P. Haskin—For Handling Hogs in Slaughtering. C B A D d E H



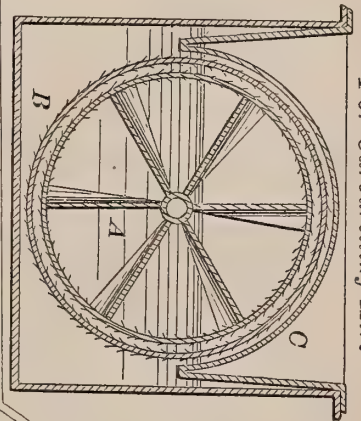
61734—R. A. Harris—Refrigerator. D G q y j n m E k F H



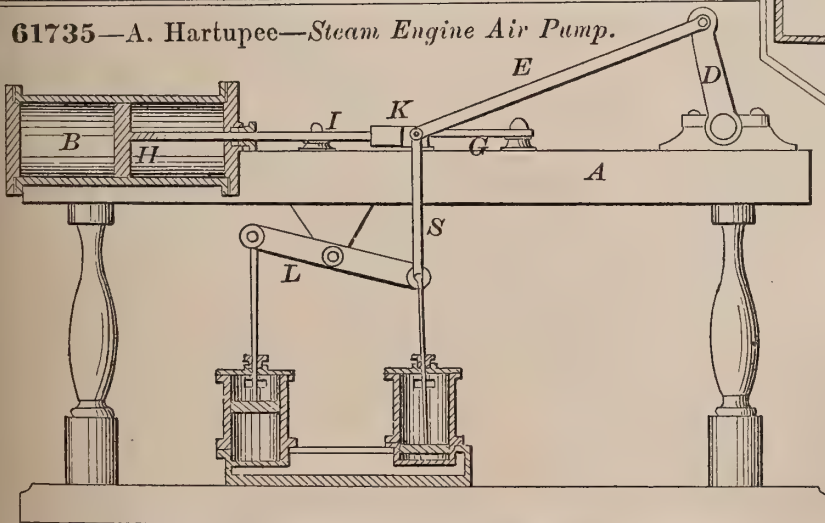
61738—G. C. Howard—Dressing Grindstones. s b o s



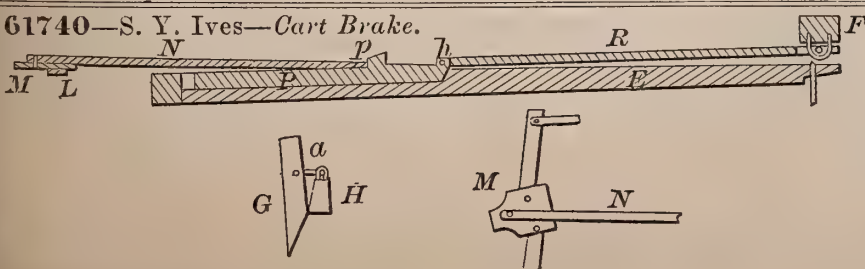
61739—Hutchinson & McAvoy—For Carburetted Air. B A C



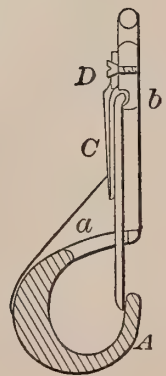
61735—A. Hartupée—Steam Engine Air Pump. B H I K G A S L



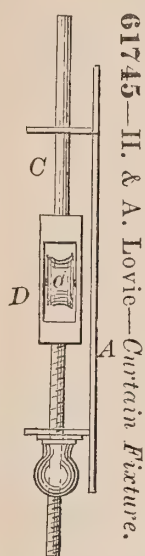
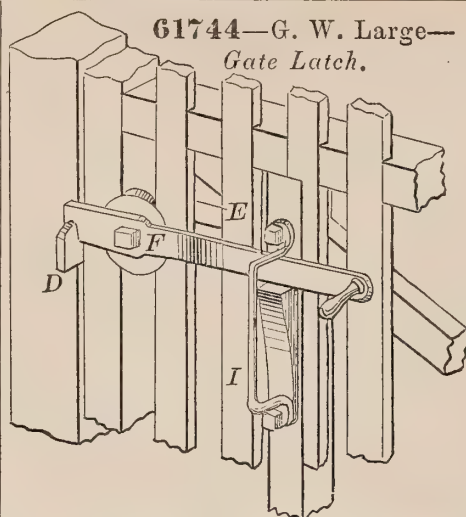
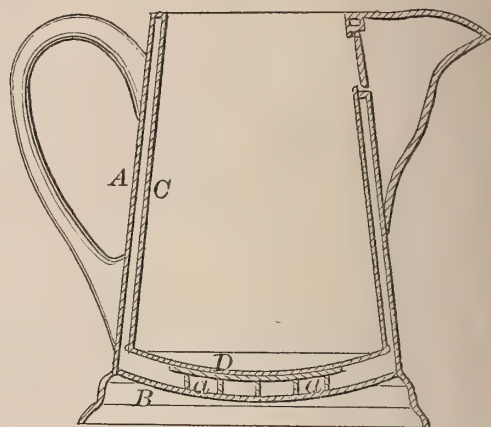
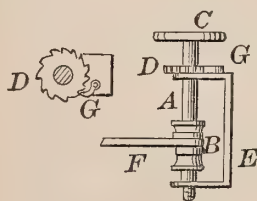
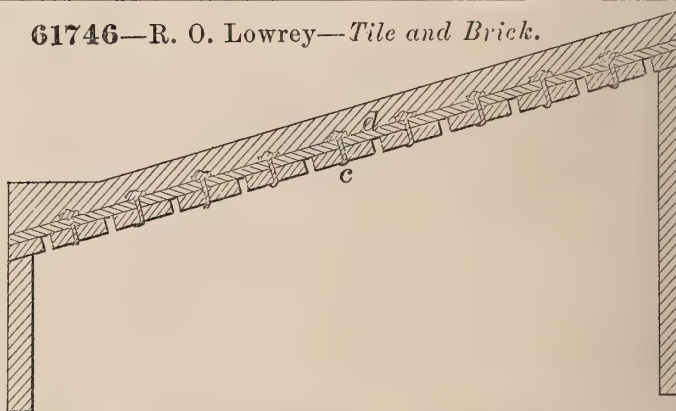
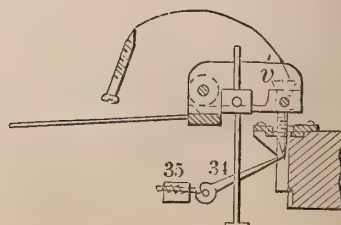
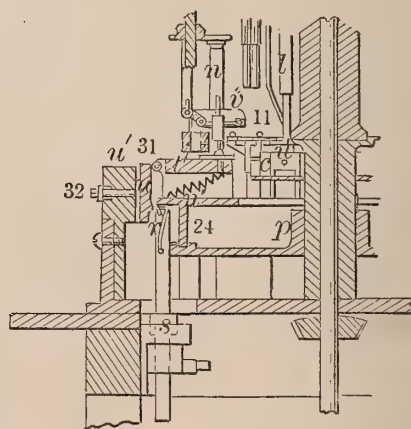
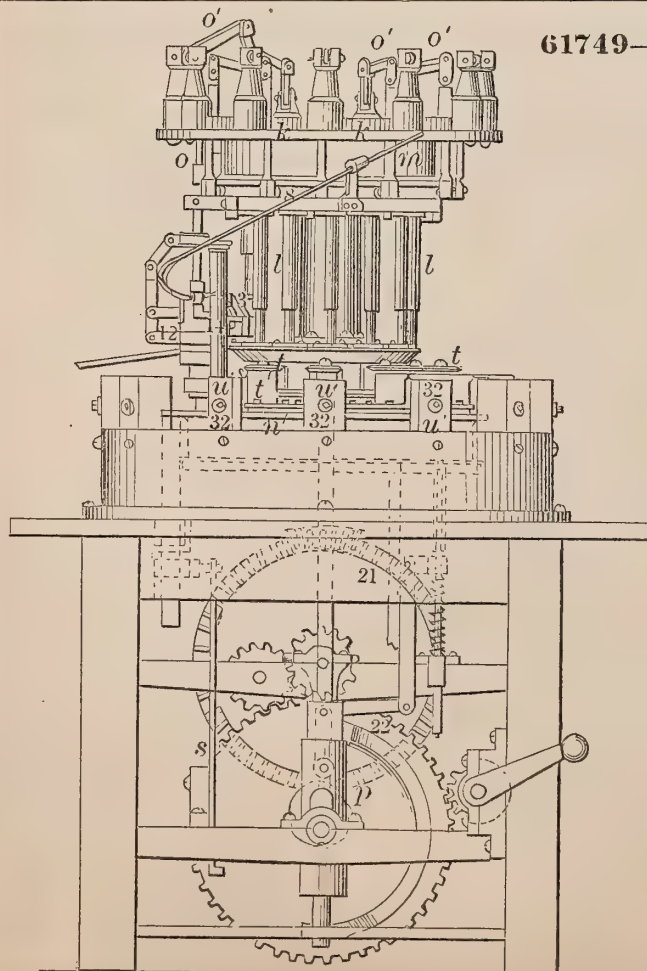
61740—S. Y. Ives—Cart Brake. N P b R F M L E F



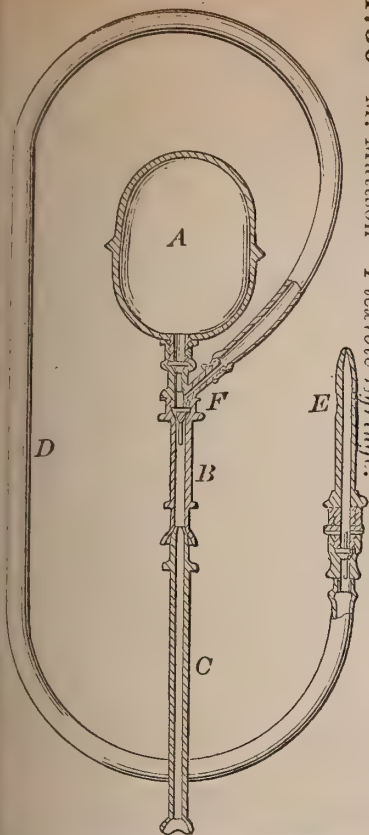
61737—B. B. Hotchkiss—Snap Hook. D b C a A



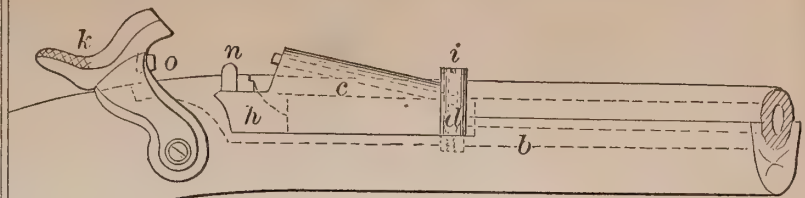


61741—C. Jillson—*Lightning Rod.*61742—M. A. Johnson—*Boot and Shoe Insole.*61745—H. & A. Lovie—*Curtain Fixture.*61744—G. W. Large—*Gate Latch.*61747—E. B. Manning—*Ice Pitcher.*61748—F. Marlow—*Carriage Horse Controller.*61746—R. O. Lowrey—*Tile and Brick.*61749—B. A. Mason—*Screw Making Machine.*

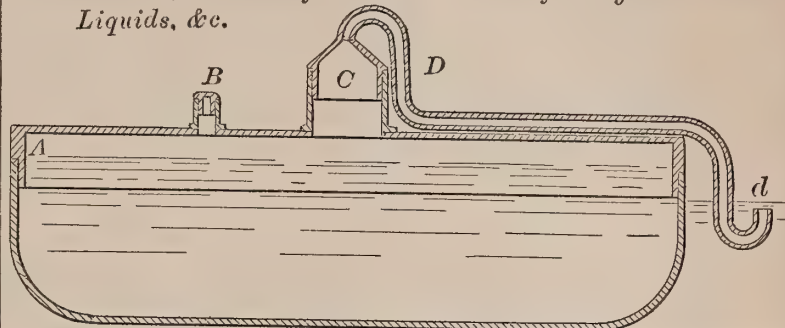
61750—M. Mattson—Flexible Syringe.



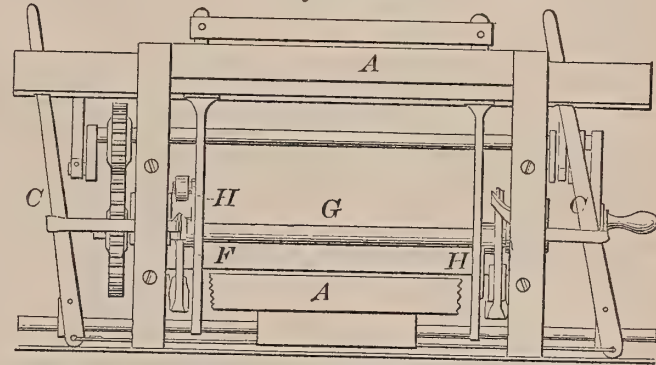
61751—I. M. Milbank—Breech-Loading Fire Arm.



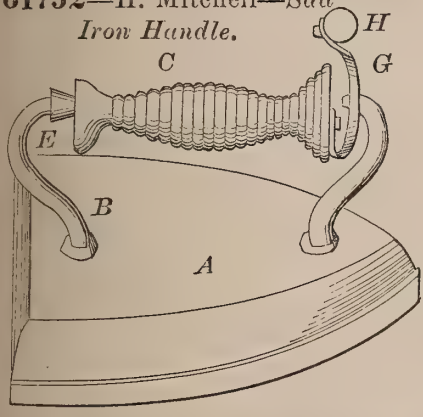
61753—J. G. Moody—Vessel or Tank for Hydro-Carbon Liquids, &c.



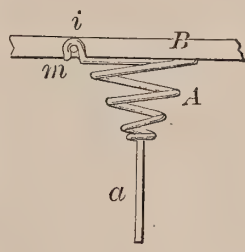
61754—S. Mortimer—For Operating the Picker Staff of Looms.



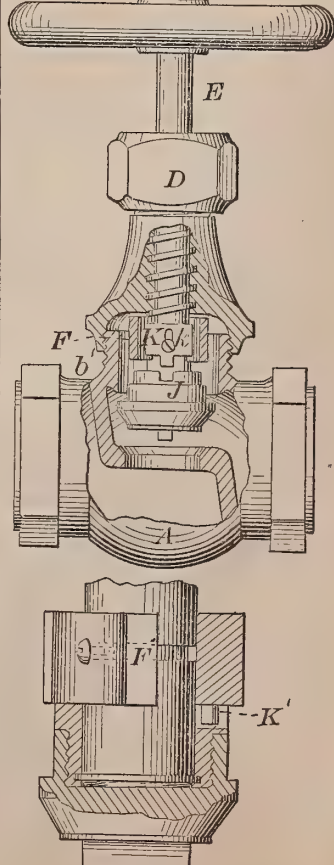
61752—H. Mitchell—Sad Iron Handle.



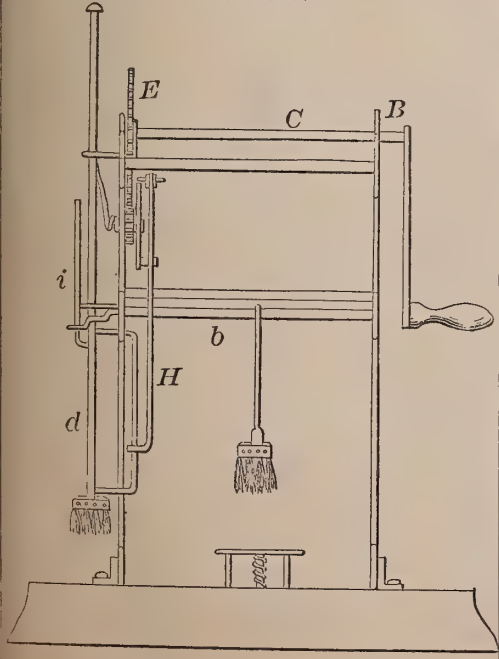
61757—S. E. Pettee—Bed Bottom.



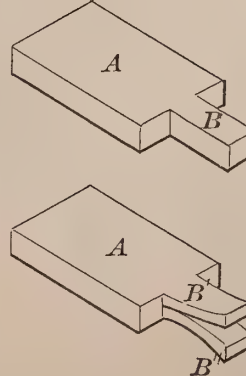
61758—J. Powell—Globe Valve.



61755—M. A. Myer—Boot Blacking Machine.

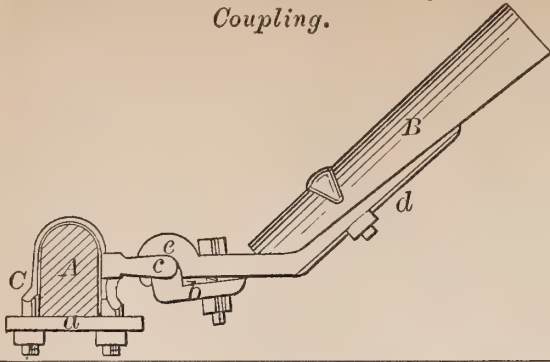


61756—H. M. Myers—Making Shovels.

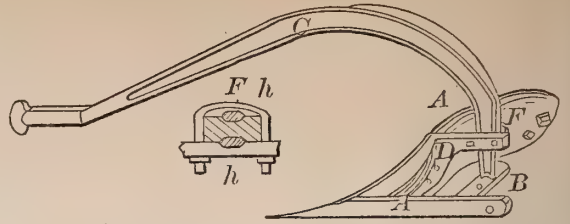




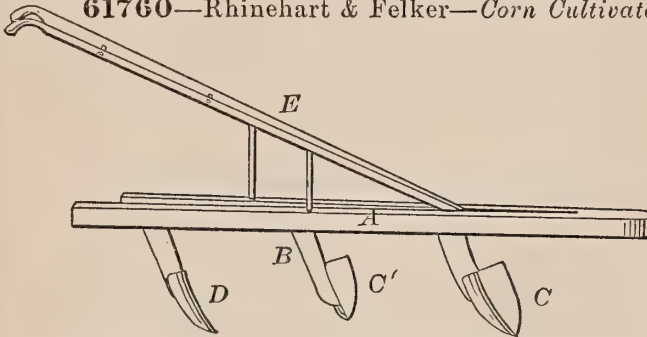
**61759**—A. R. Reynolds—*Carriage Shaft Coupling.*



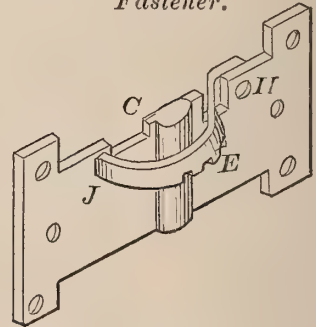
**61762**—Richards & Vandegrift—*Plow.*



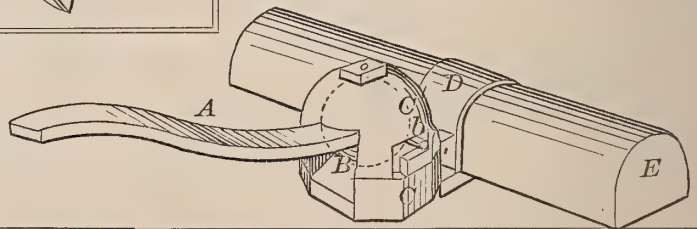
**61760**—Rhinehart & Felker—*Corn Cultivator.*



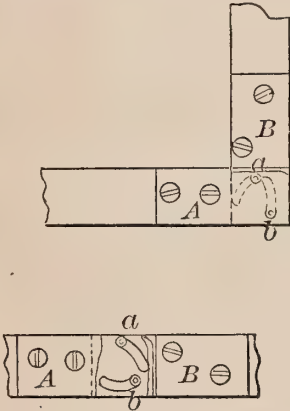
**61764**—J. L. Routzahn—*Shuttle Fastener.*



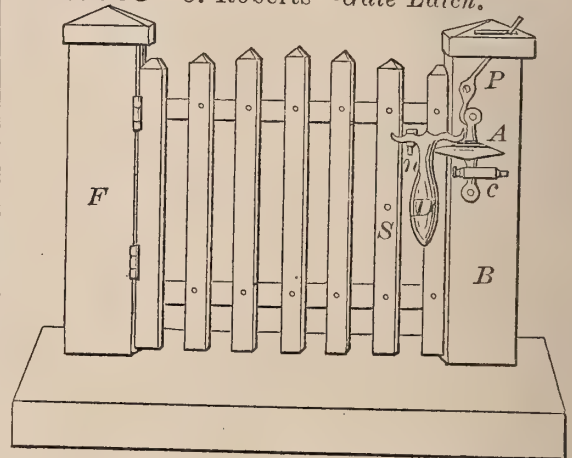
**61761**—S. G. Rice—*Thill Coupling.*



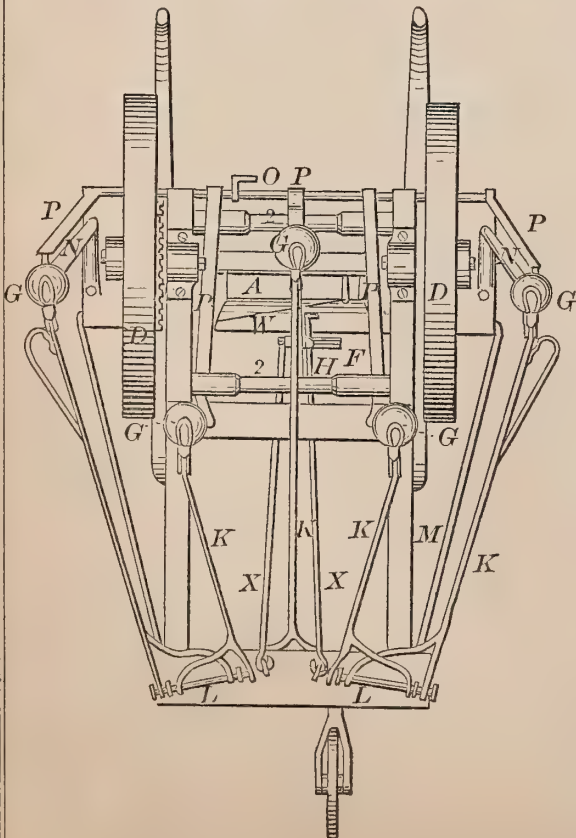
**61766**—J. Schafer—*Hinge.*



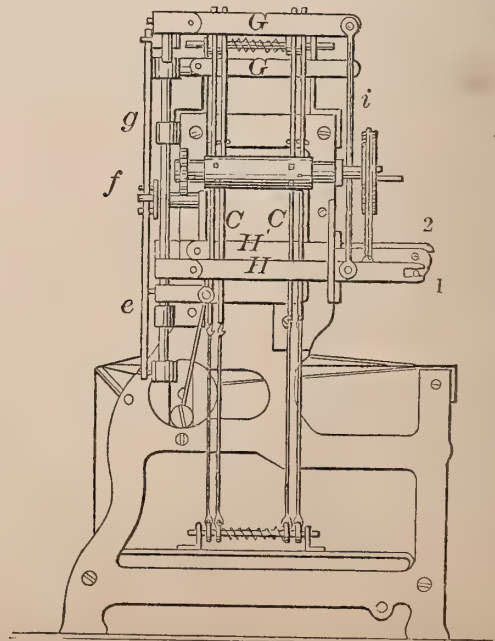
**61763**—C. Roberts—*Gate Latch.*



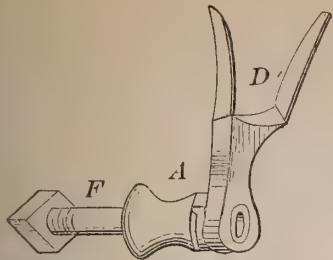
**61765**—J. R. Rude—*Grain Drill.*



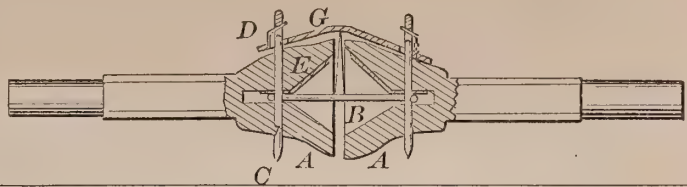
**61767**—J. Schofield—*Loom.*



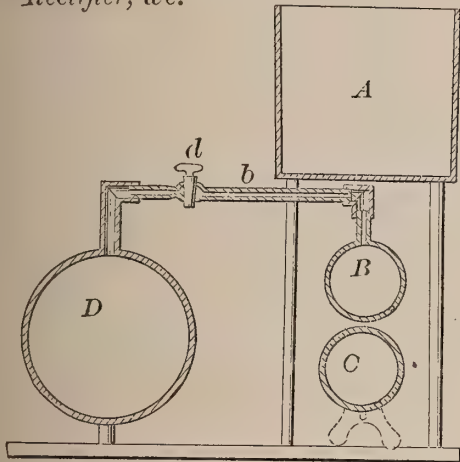
**61769**—A. Sedgwick—*For Supporting Carriage Thills.*



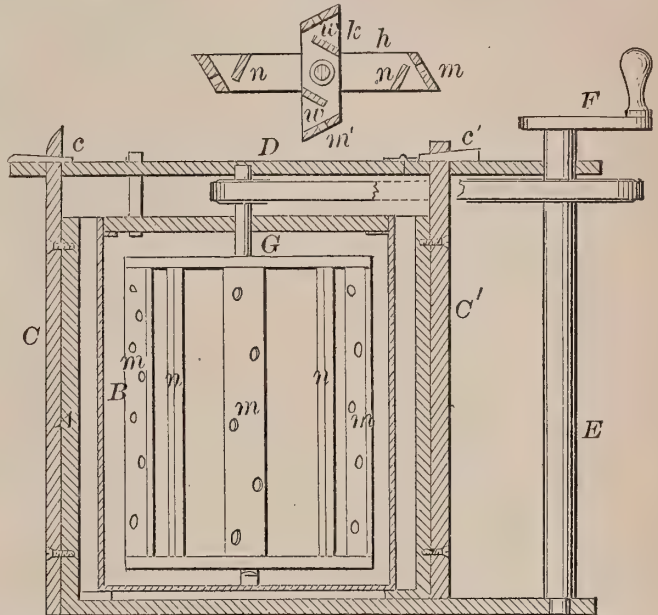
**61771**—H. Soggs—*Car Coupling.*



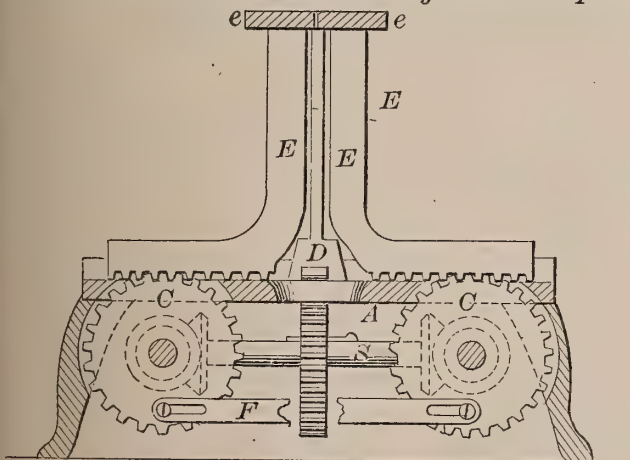
**61770**—T. Simmons—*Alcohol Rectifier, &c.*



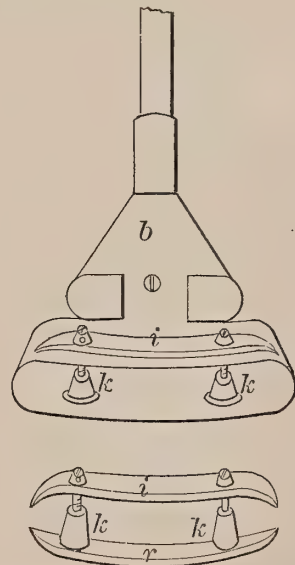
**61772**—M. V. B. Steinmetz—*Churn.*



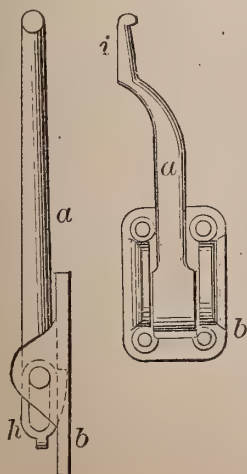
**61773**—J. Stevens—*For Pulling out Hat Tips.*



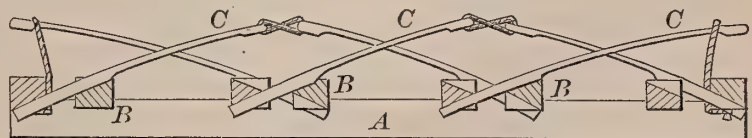
**61774**—W. D. Stroud—*Broom Head.*



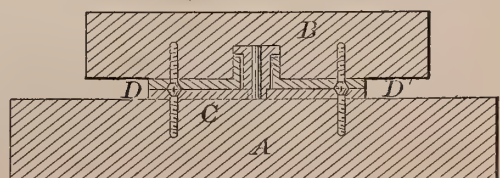
**61779**—A. J. Warner—*Blind Fastening.*



**61775**—D. M. Thomas—*Bed Bottom.*



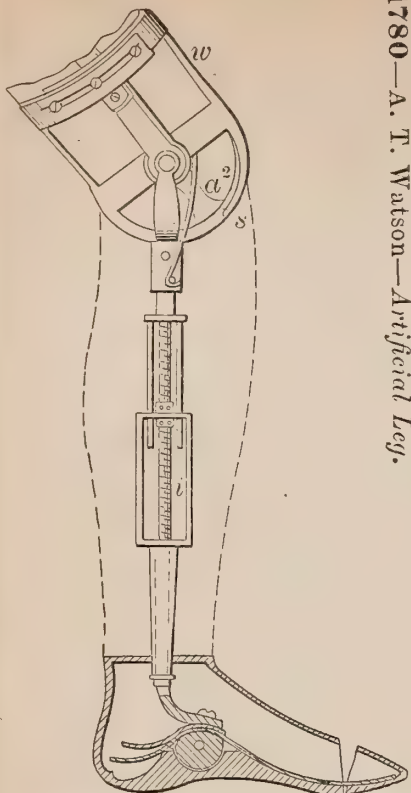
**61776**—F. V. Patten—*Carriage Whiffletree Attachment.*



**61777**—W. Wallace—*Chain.*

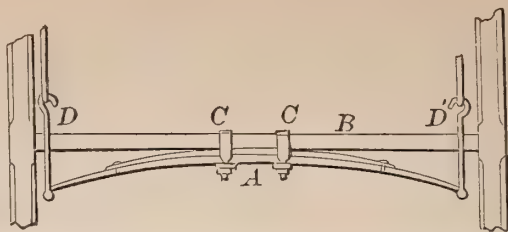




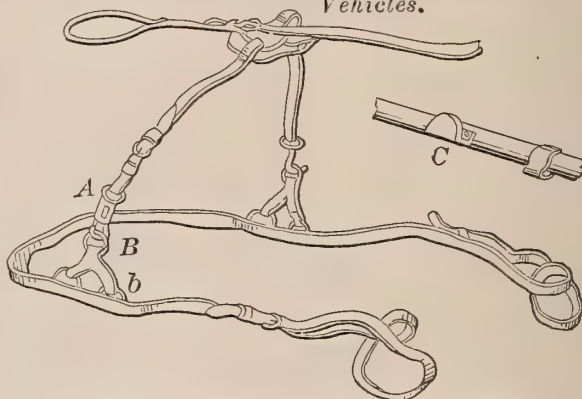


61780—A. T. Watson—Artificial Leg.

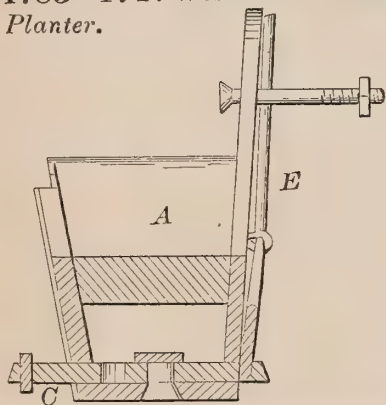
61781—O. N. Weaver—Whiffletree.



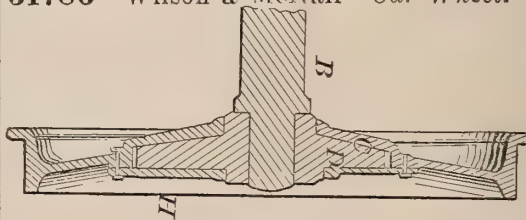
61782—O. N. Weaver—Unhitching Horses from Vehicles.



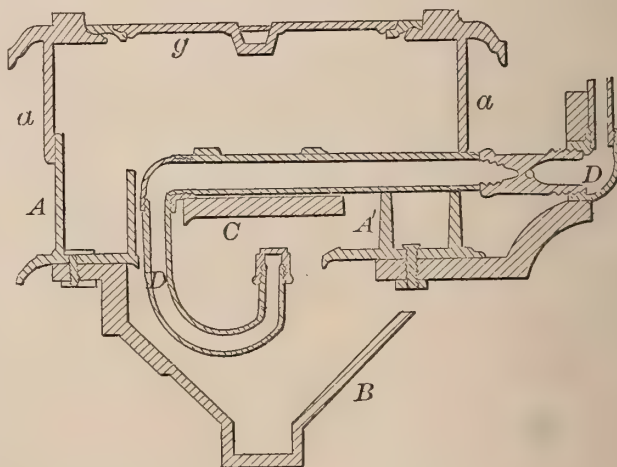
61783—F. F. Westerfield—Corn Planter.



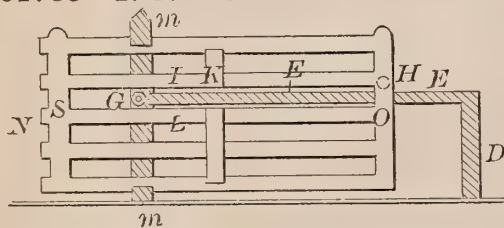
61786—Wilson &amp; McNall—Car Wheel.



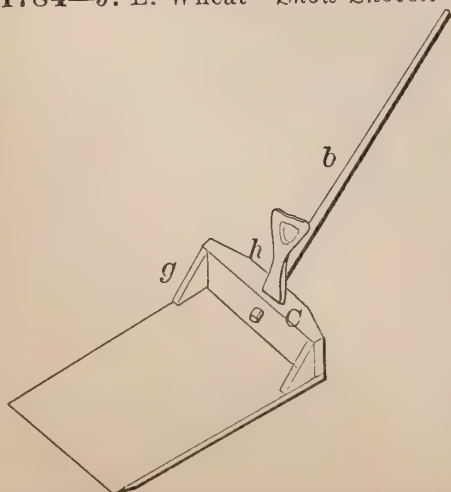
61788—Young &amp; Benster—Gas Stove.



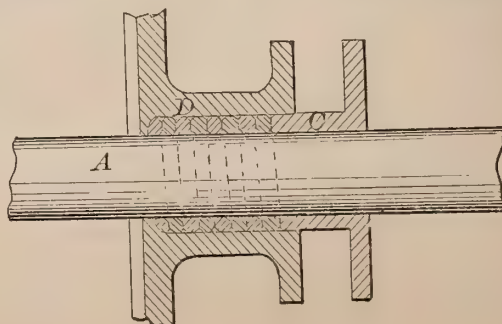
61785—T. B. Wickham—Farm Gate.



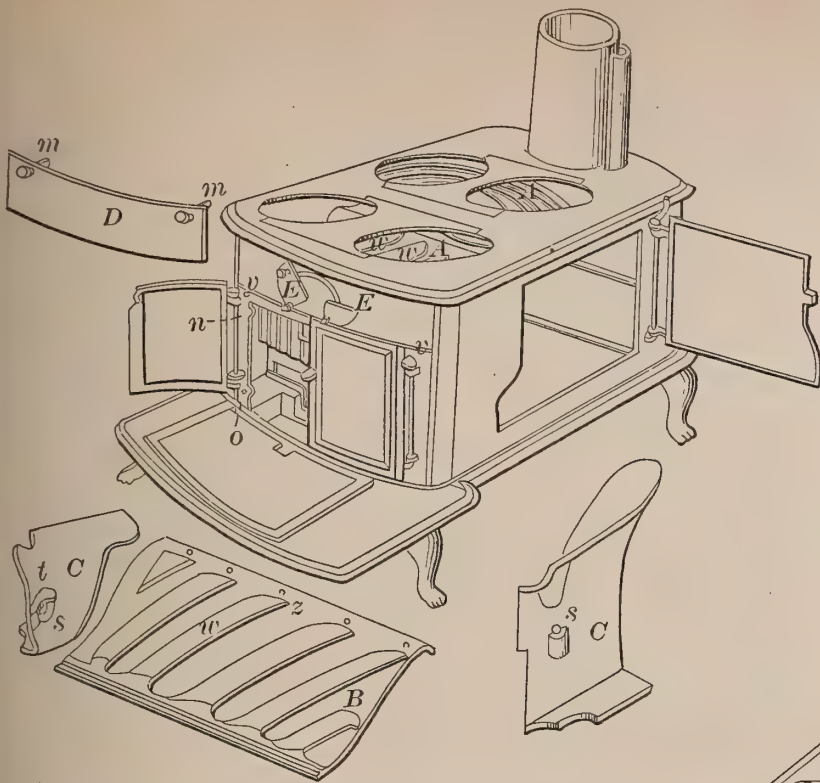
61784—J. E. Wheat—Snow Shovel.



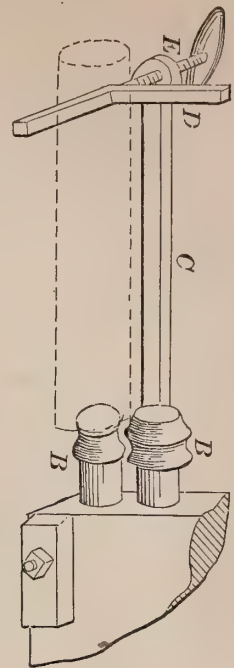
61789—J. Young—Piston Rod Packing.



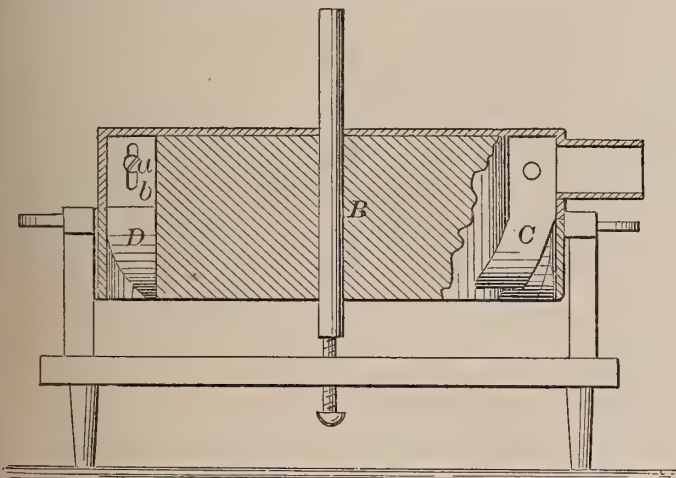
61790—Adams & Peckover—Cooking Stove.



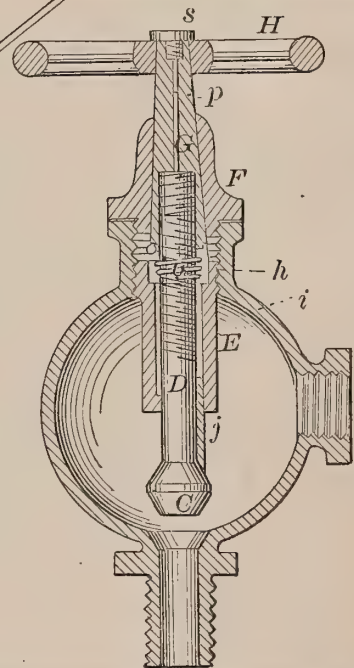
61791—J. N. Adams—For Joining Stove Pipes.



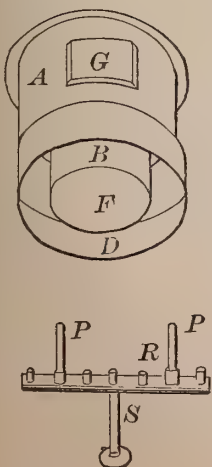
61792—G. Arrison—Water Wheel.



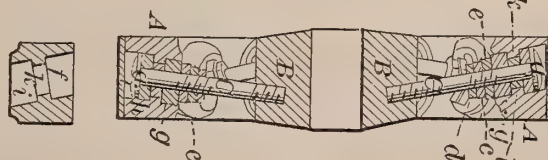
61794—T. & J. Barber—Globe Valve.



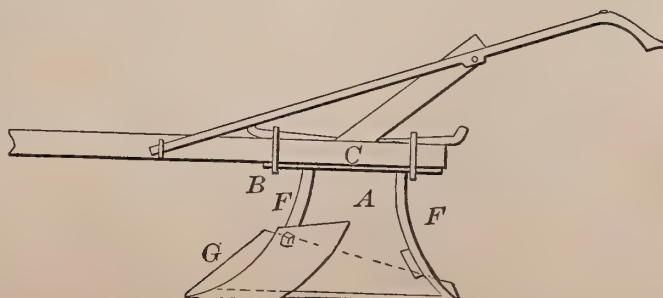
61795—G. W. Beard—Heating Stove.



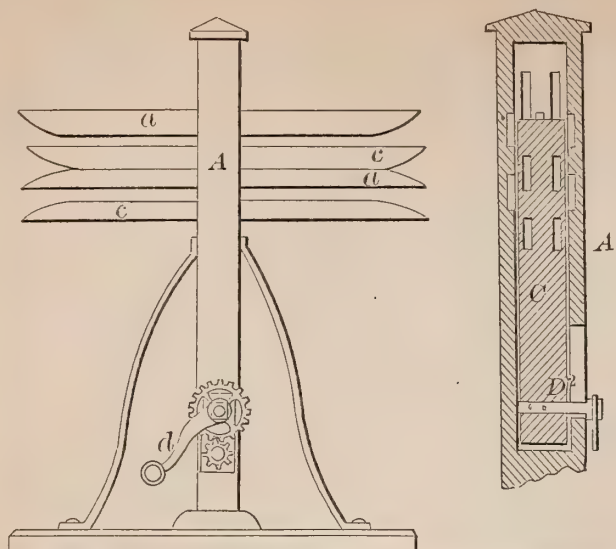
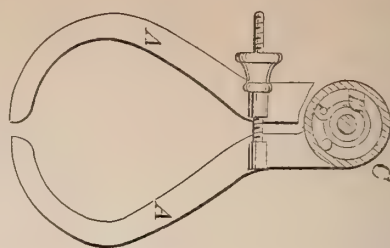
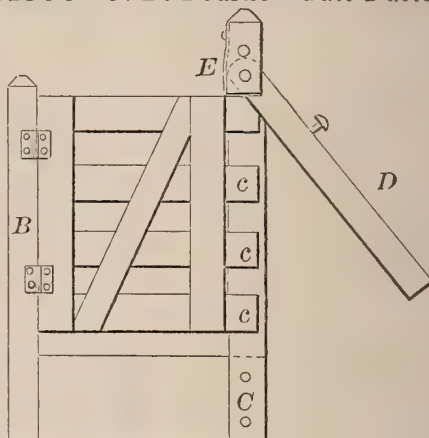
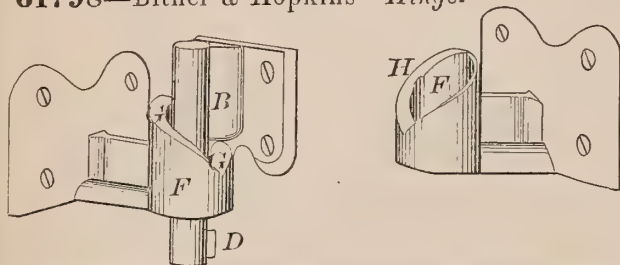
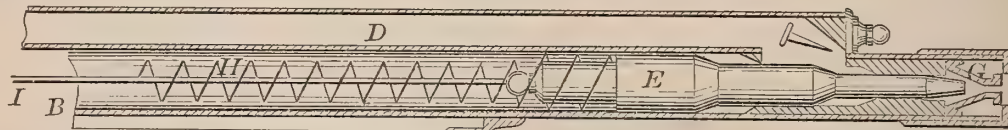
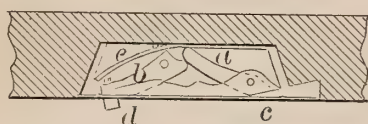
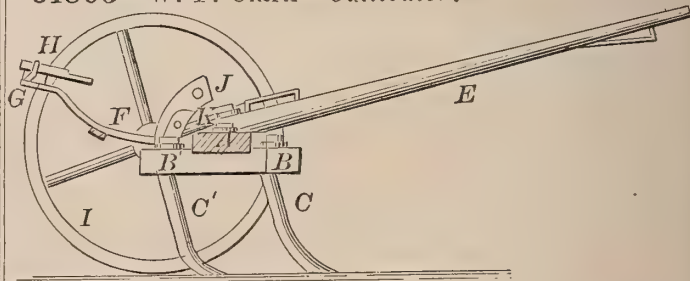
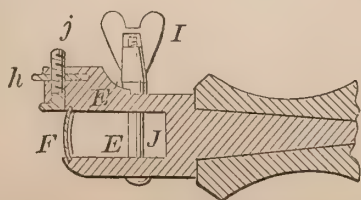
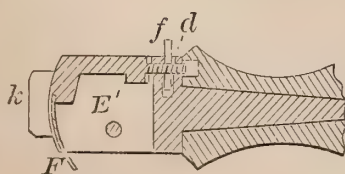
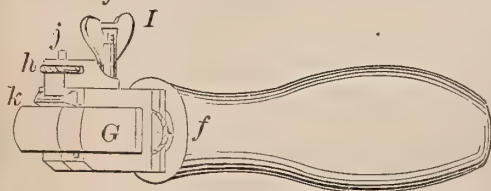
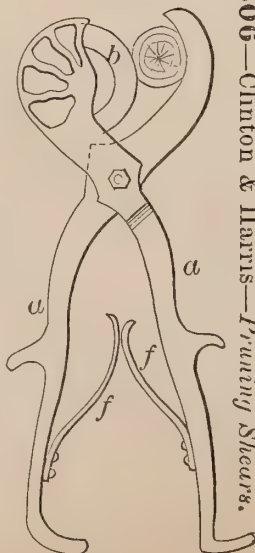
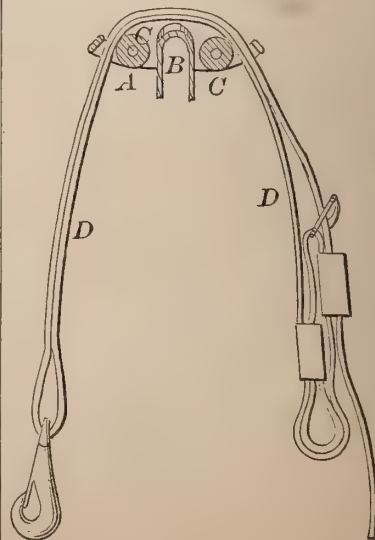
61793—C. C. Ayer—Carriage Wheel.



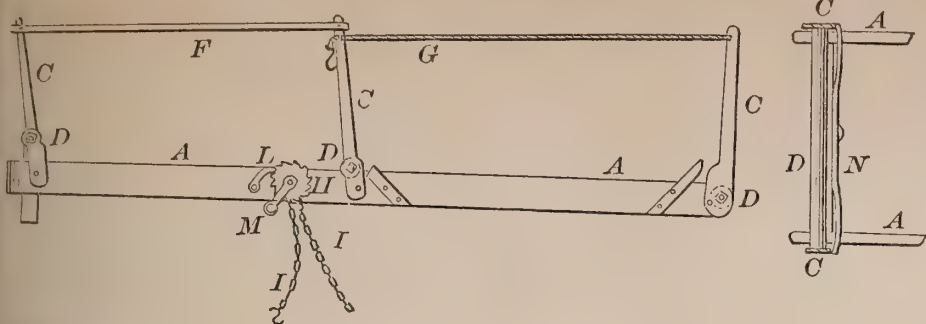
61796—J. C. Bethea—Gang Plow.



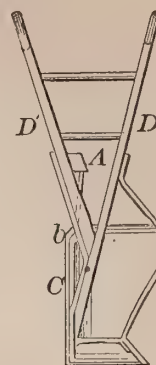


61797—C. A. Biermann—*Hemp Break.*61799—H. A. Boardman—*Culipers.*61800—J. D. Bourne—*Gate Fastening.*61798—Bitner & Hopkins—*Hinge.*61803—W. Brown—*Carpet Stretcher and Tack Driver.*61801—B. Britten—*Sash Supporter.*61805—W. F. Clark—*Cultivator.*61804—A. B. Clark—*Edge Plane for Boots and Shoes.*61806—Clinton & Harris—*Pruning Shears.*61807—A. H. Cole—*Neck Yoke Trundle.*

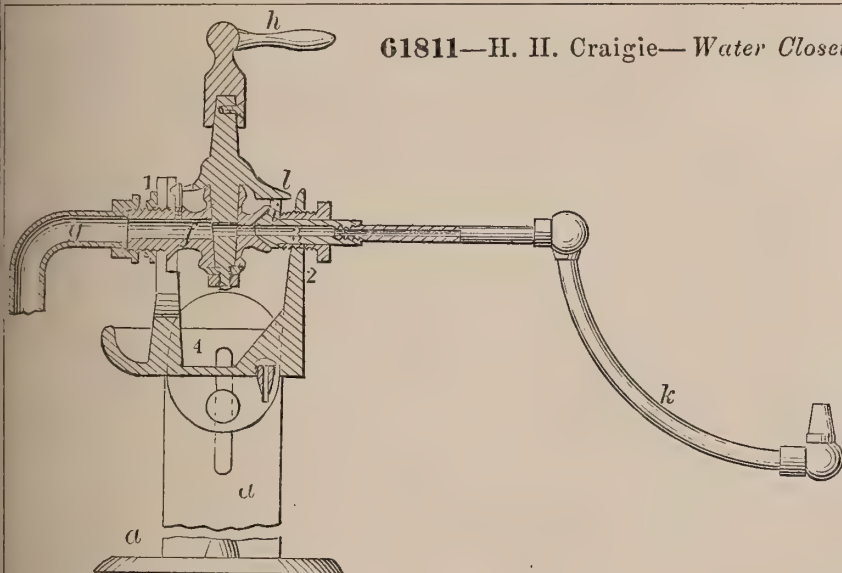
61808—C. C. Comstock—Wagon Lumber Rack.



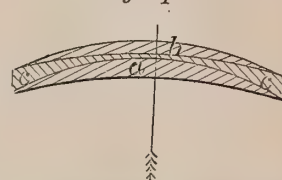
61809—W. Cooley—Plow.



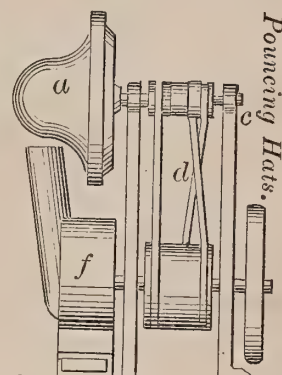
61811—H. H. Craigie—Water Closet.



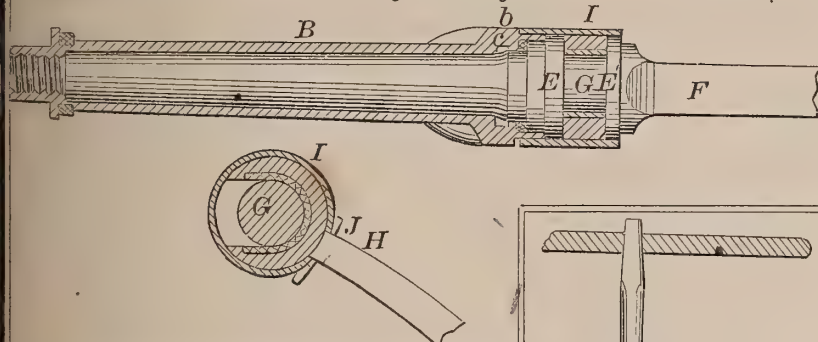
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J. H. Dallmeyer—  
Photographic Lens.



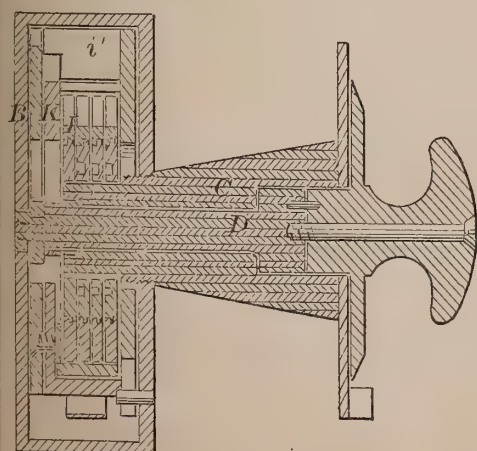
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Pouncing Hats.



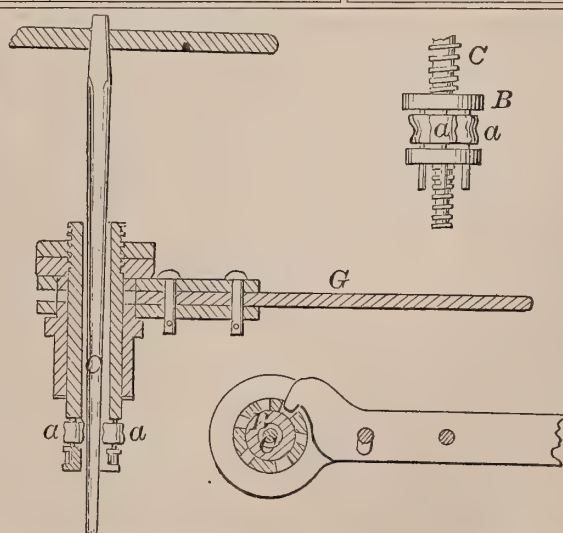
61813—D. Dalzell—Attaching Carriage Thills.



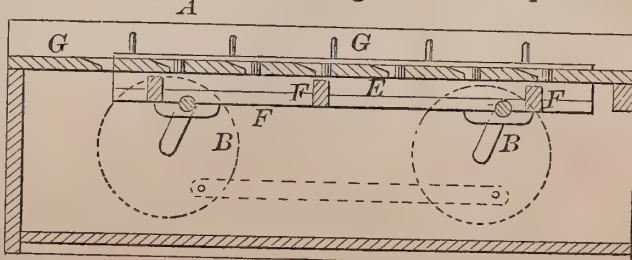
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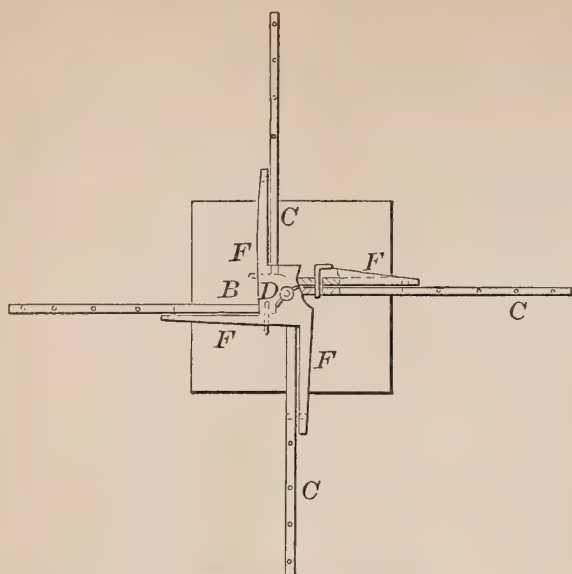
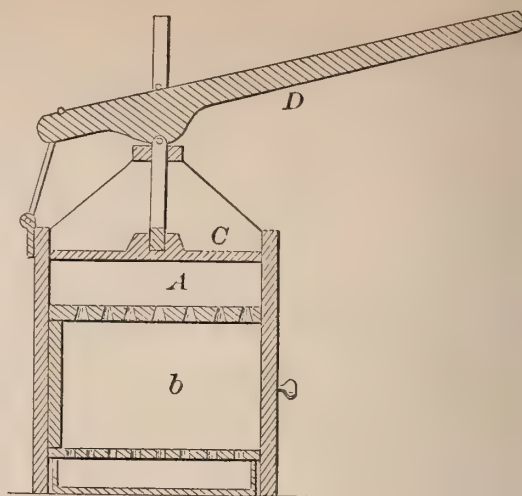
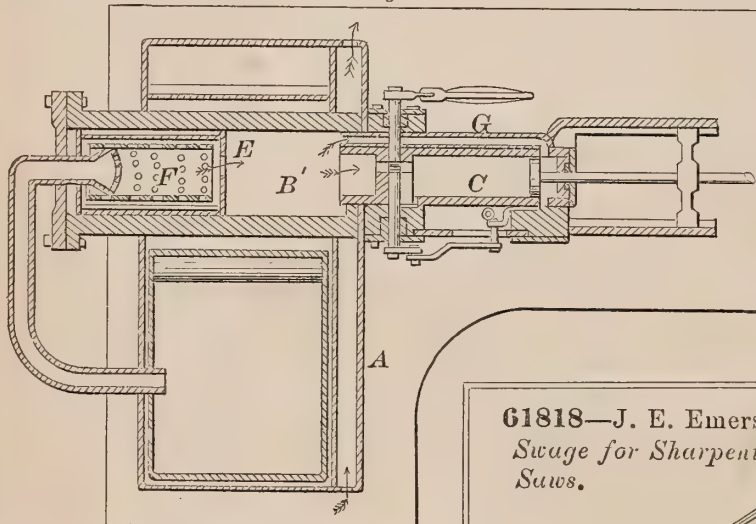
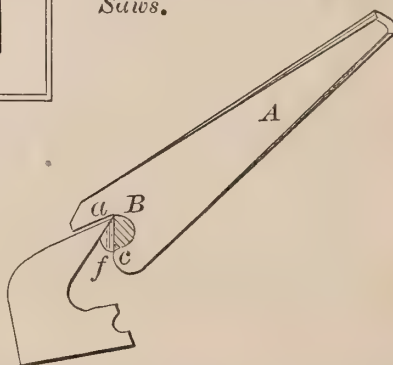
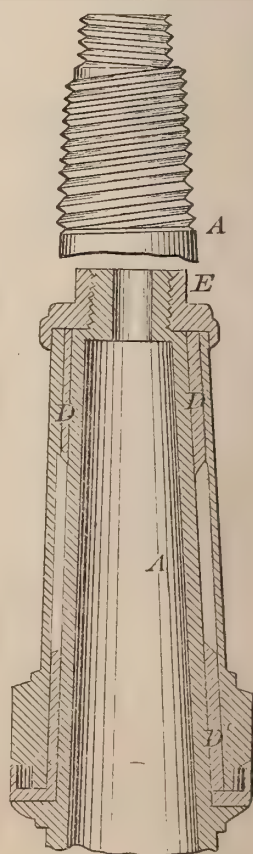
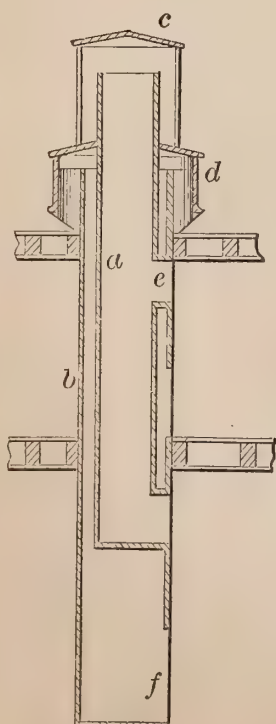
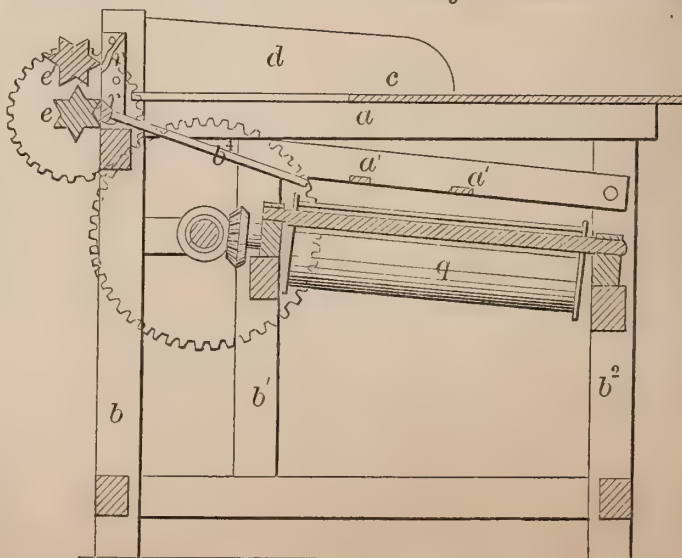
61815—R. Dudgeon—For Fastening  
Boiler Tubes.



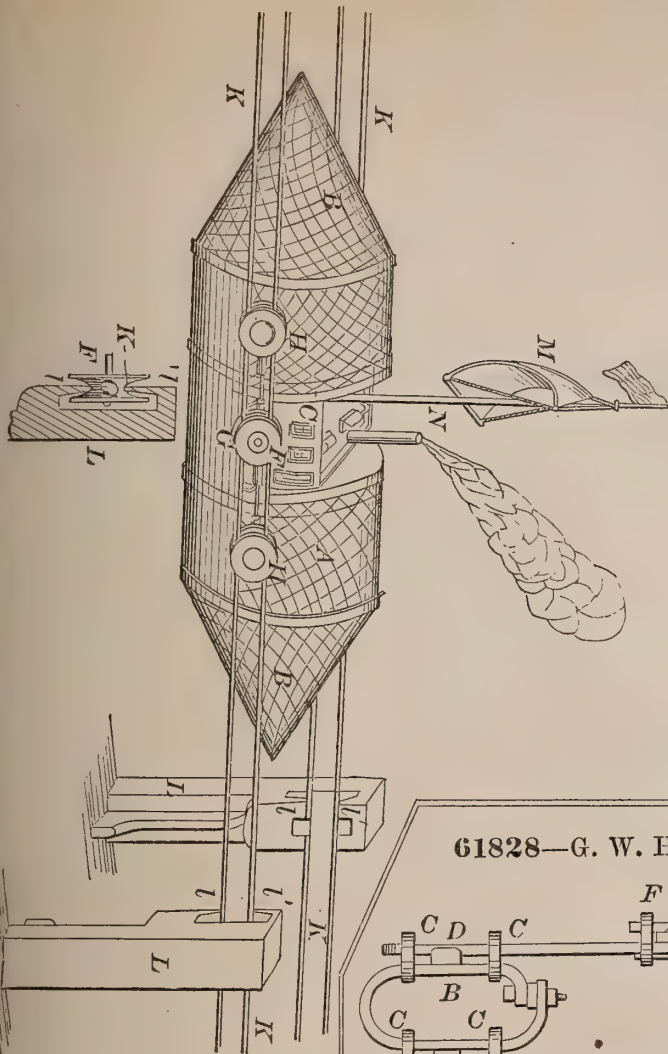
61816—Dunbar & McNaught—Grain Separator.



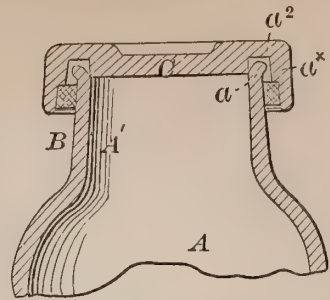


61817—J. T. Elliott—*Clothes Dryer.*61822—E. Farnum—*Butter Worker.*61819—J. M. Enos—*Steam Engine.*61818—J. E. Emerson—*Swage for Sharpening Saws.*61821—T. Falvey—*Carriage Axle.*61820—D. Estes—*Ventilating Pipe for Houses, &c.*61823—Farnum & Scott—*Husking Machine.*

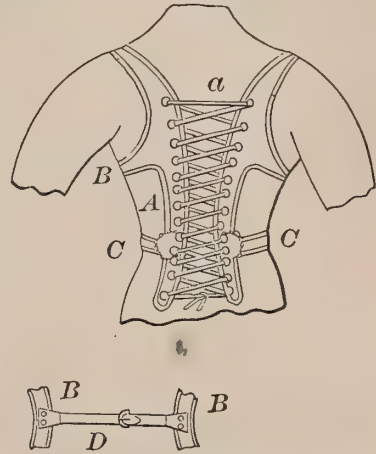
61824—J. A. A. Fontaine—*Aerial Railroad.*



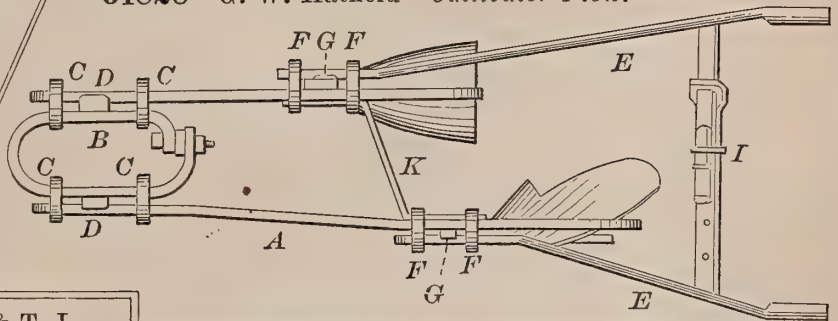
61827—W. L. Haller—*Fruit Jar.*



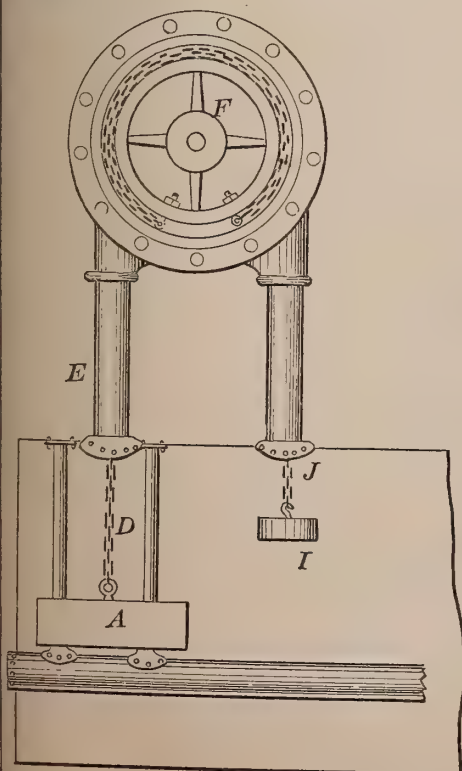
61825—C. A. Griswold—*Corset.*



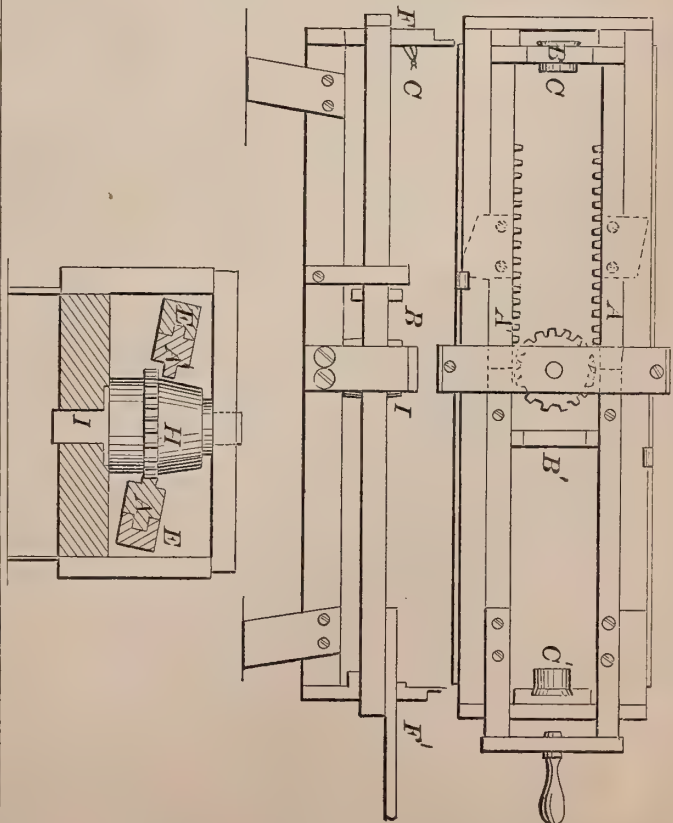
61828—G. W. Hatfield—*Cultivator Plow.*



61826—A. & W. Guthrie, & T. L.—*Humes Indicator for Boilers.*

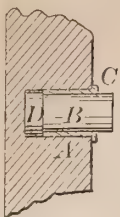


61829—J. Hawthorn—*For Converting Motion.*

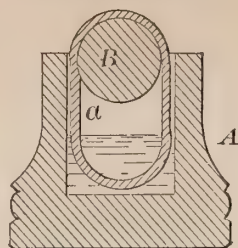




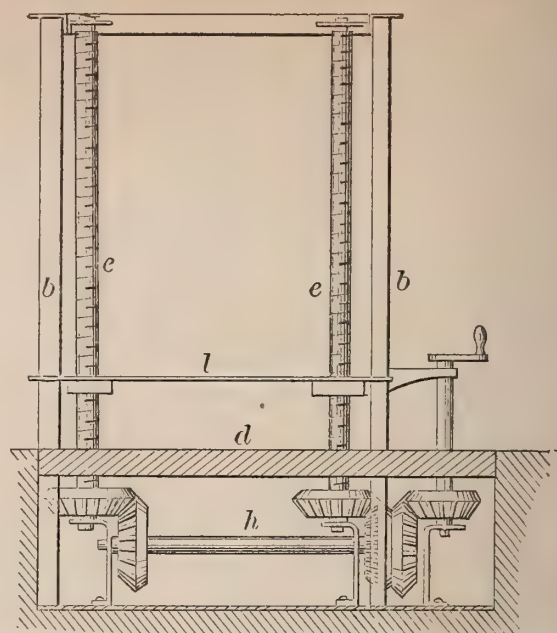
61830—Hazard &  
Richardson—Door Stop.



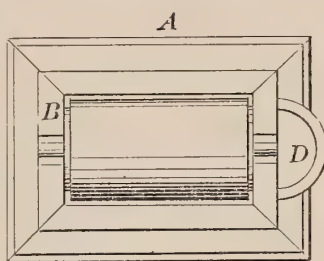
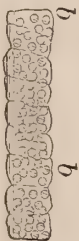
61833—P. Hill—  
Damping Apparatus.



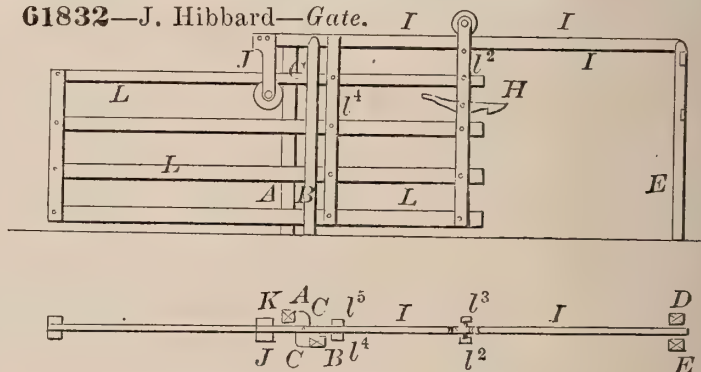
61835—J. Ingram—Hoisting Machine.



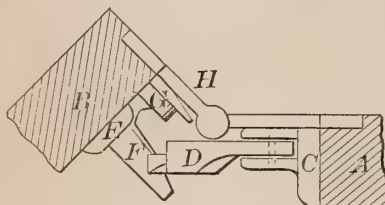
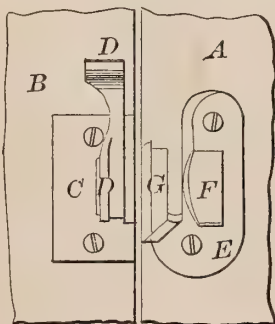
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H. C. Heermance—  
Carpet Lining, &c.



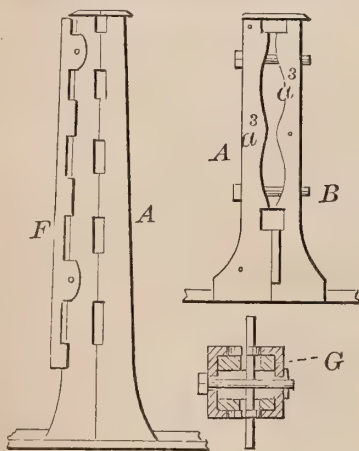
61832—J. Hibbard—Gate.



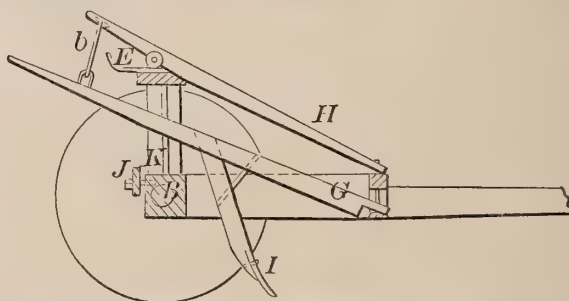
61834—W. B. Howard—Shutter Fastening.



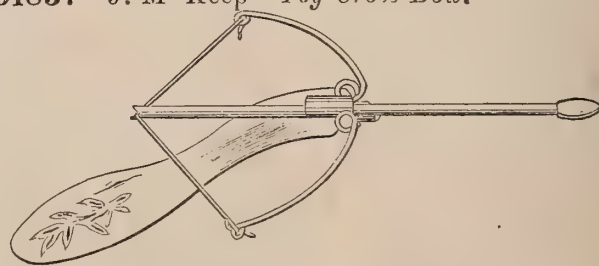
61838—R. Ketcham—Fence Post.



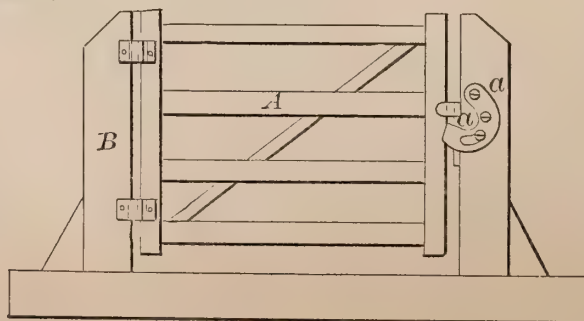
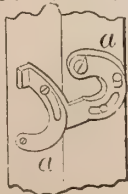
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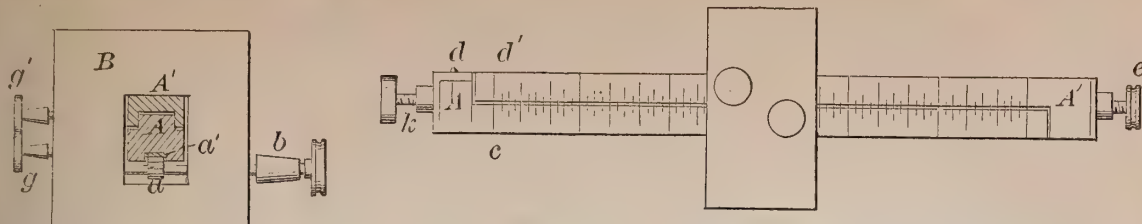
61837—J. M. Keep—Toy Cross Bow.



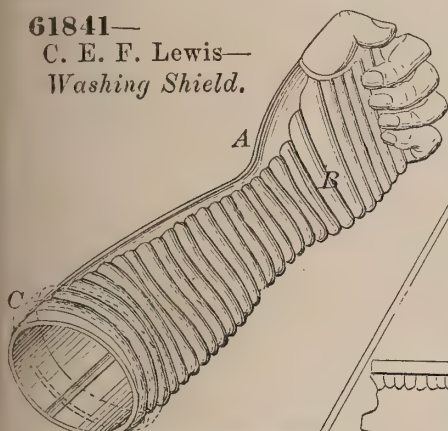
61839—J. E. Klein—Gate Latch.



61840—G. T. Lape—*Carpenter's Gauge.*



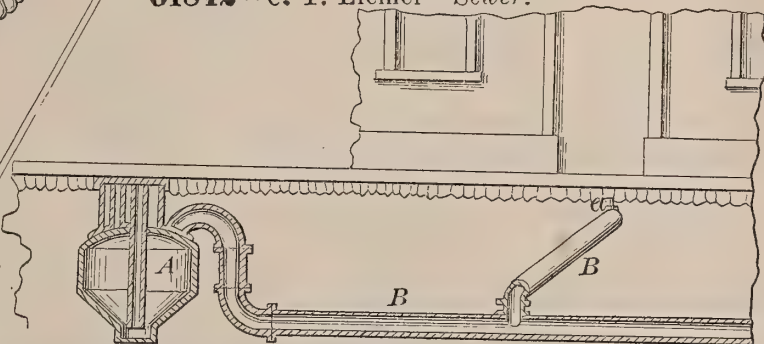
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C. E. F. Lewis—  
*Washing Shield.*



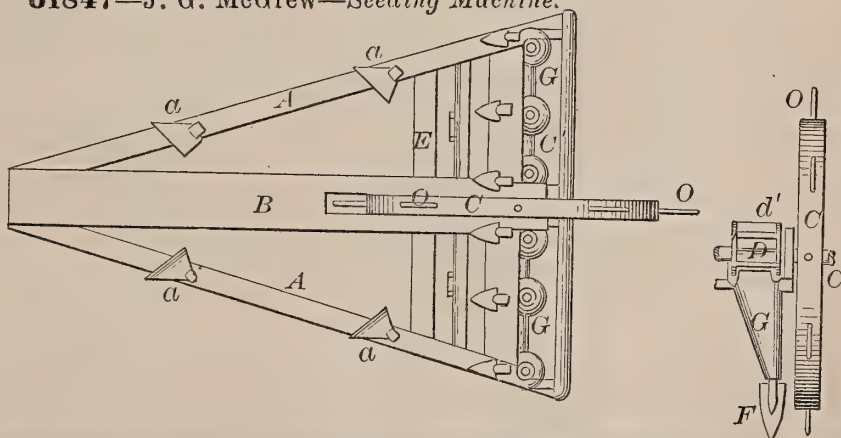
**61846**—S. McClain—*Whistle and Bird Call.*



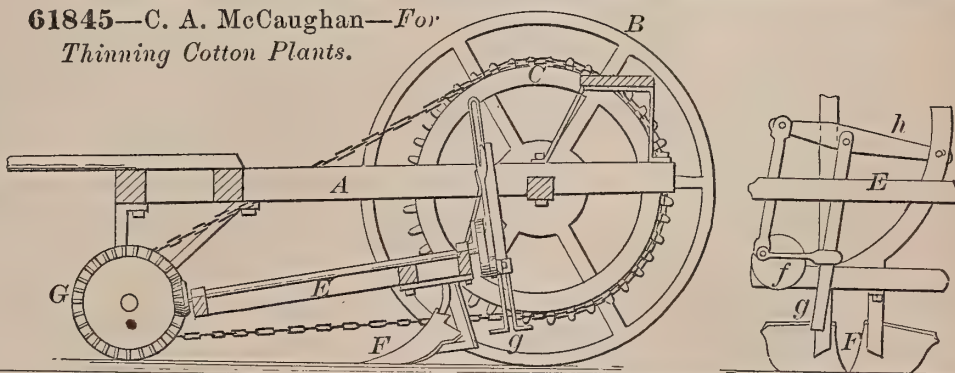
61842—C. T. Liemer—*Sewer.*



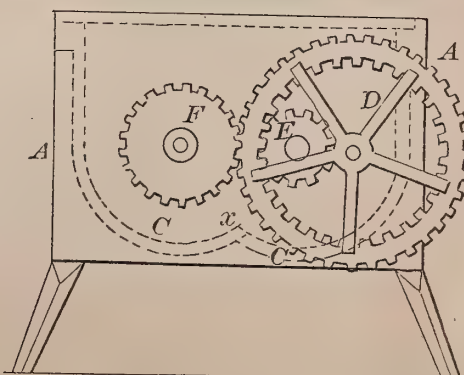
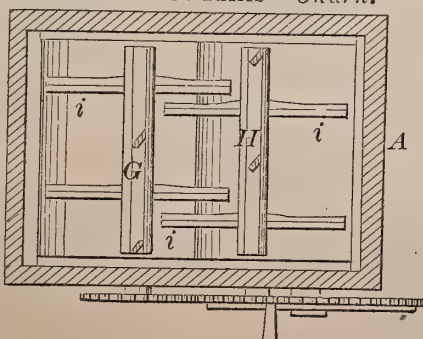
**61847**—J. G. McGrew—*Seeding Machine.*



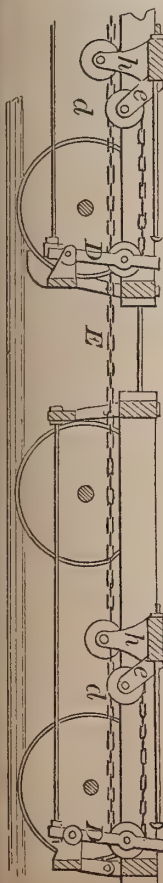
**61845**—C. A. McCaughan—*For Thinning Cotton Plants.*



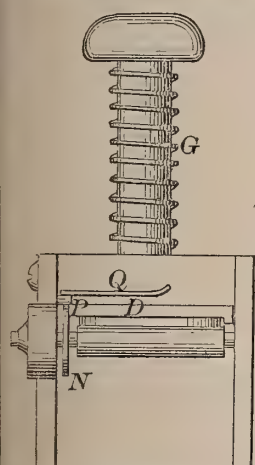
61850—A. J. Mills—*Churn.*



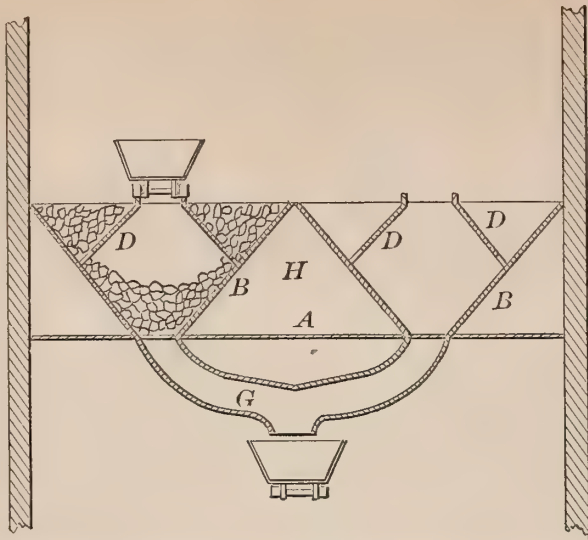
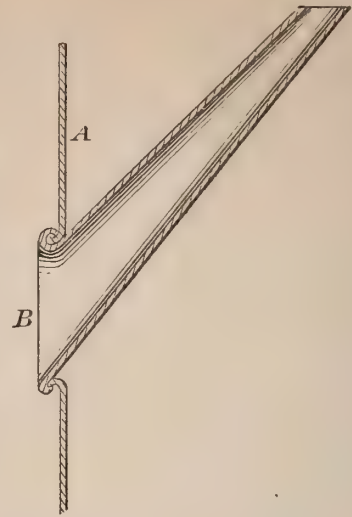
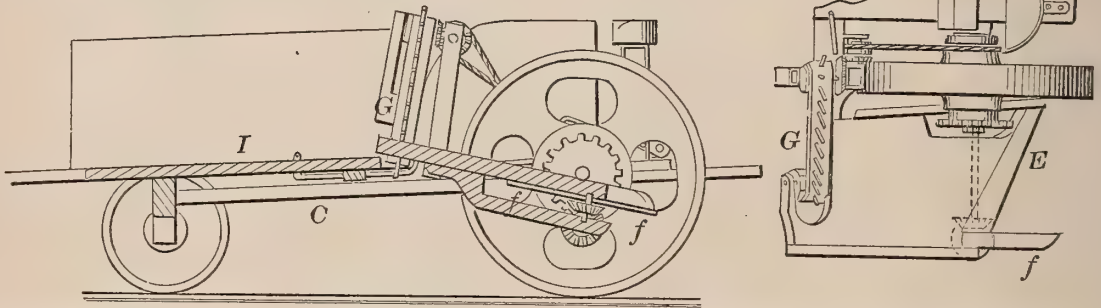
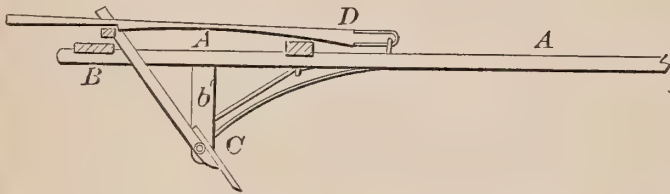
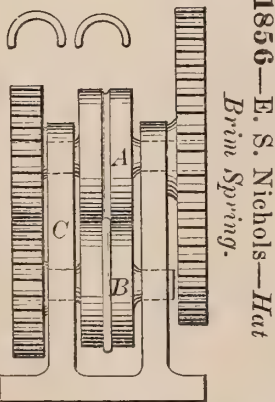
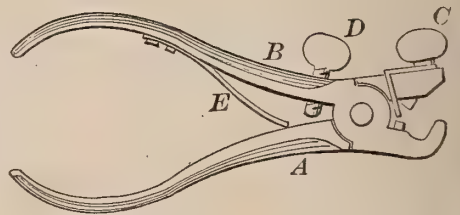
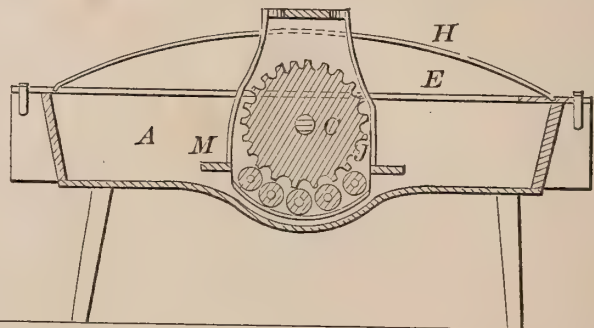
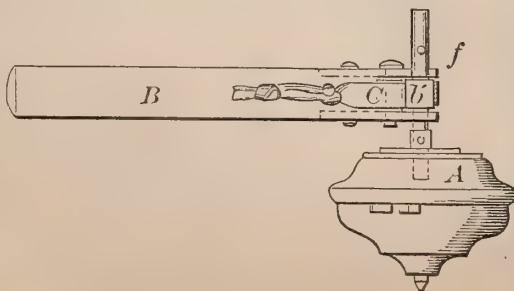
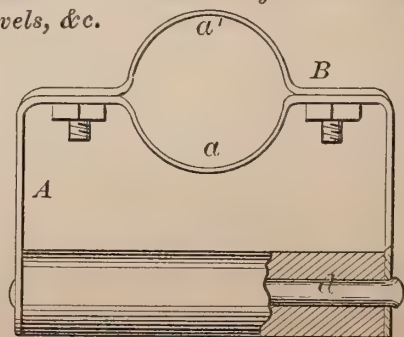
61844—S. McCambridge—*Car Brake*.



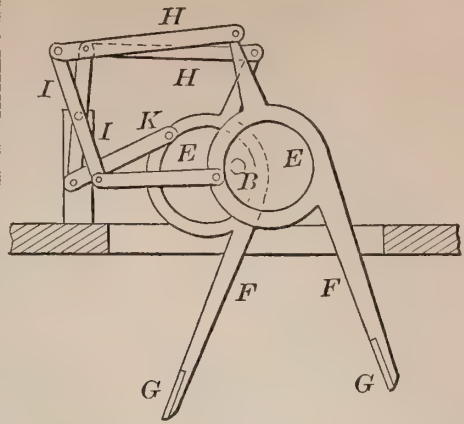
61843—W. B. Mason—*Hand Stamp.*



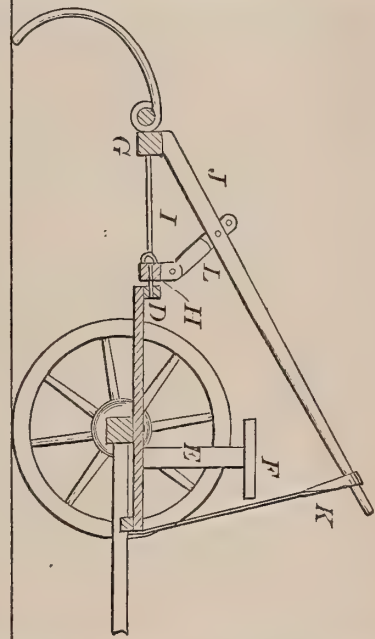


61851—W. Moller—*Cooling Animal Coal.*61853—W. A. Munn—*Attaching Spouts to Metal Vessels.*61852—A. Moravek—*Corn Harvester.*61854—I. Munson—*Scraper.*61855—W. Nash—*Saw Set.*61858—M. E. Parsons—*Washing Machine.*61857—C. Page—*Top Driver or Spinner.*61859—J. N. Pease—*Adjustable Handle for Shovels, &c.*

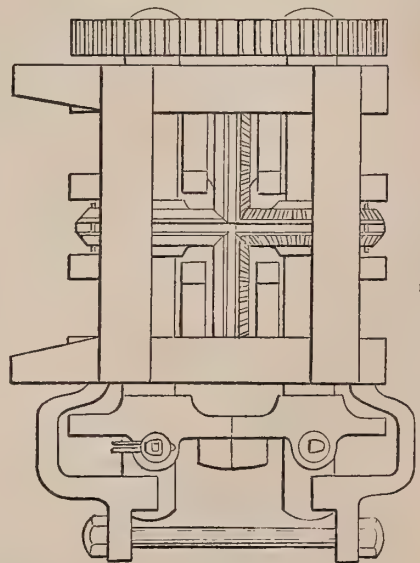
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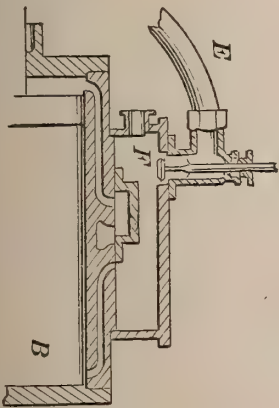
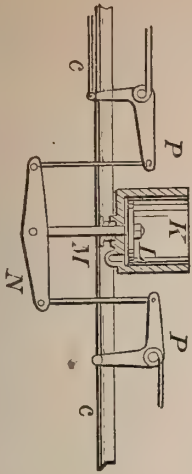
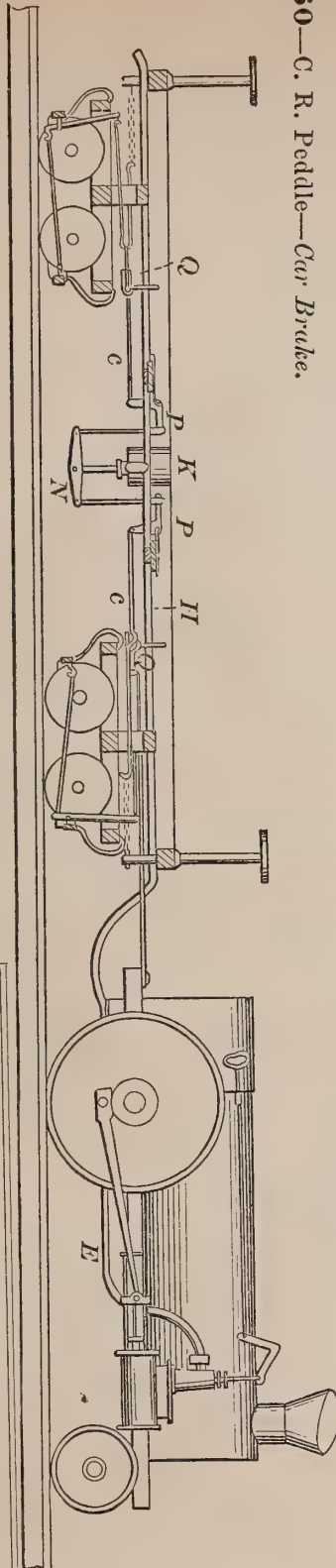
61862—O. Pier—*Horse Rake.*



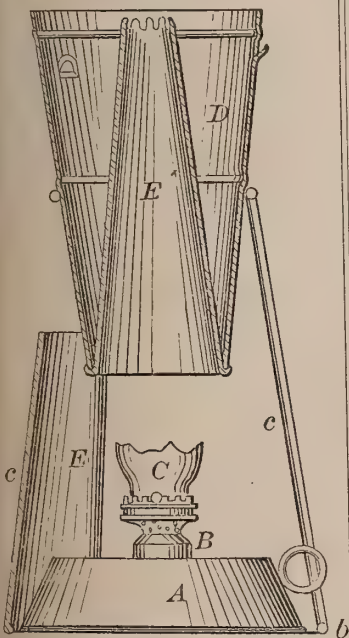
61864—D. R. Pratt—*Spike Machine.*



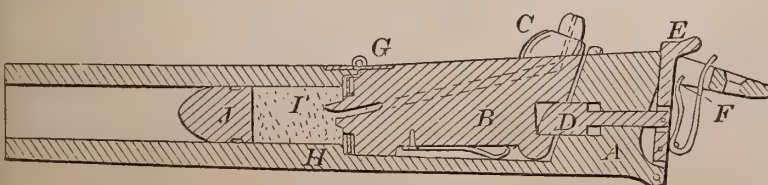
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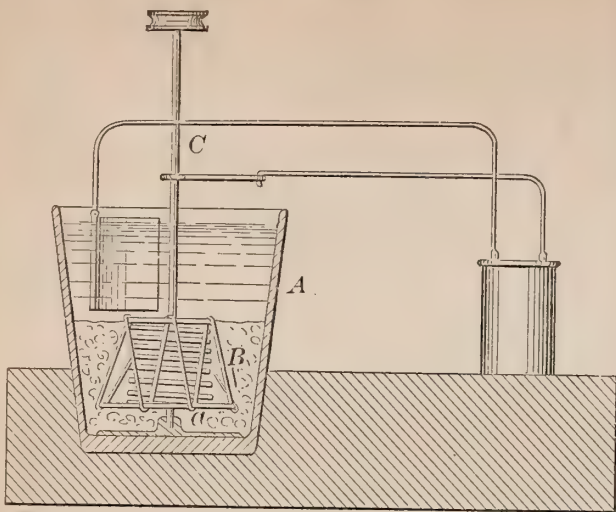
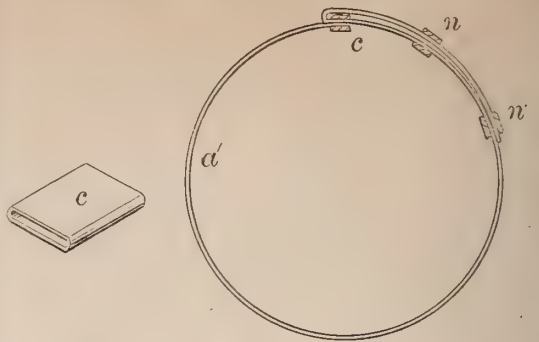
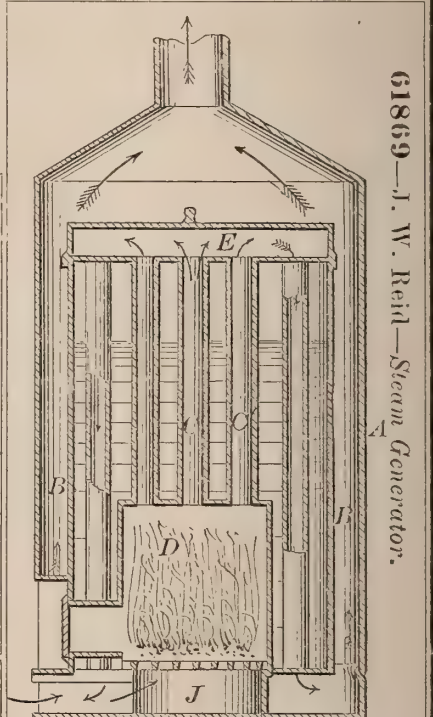
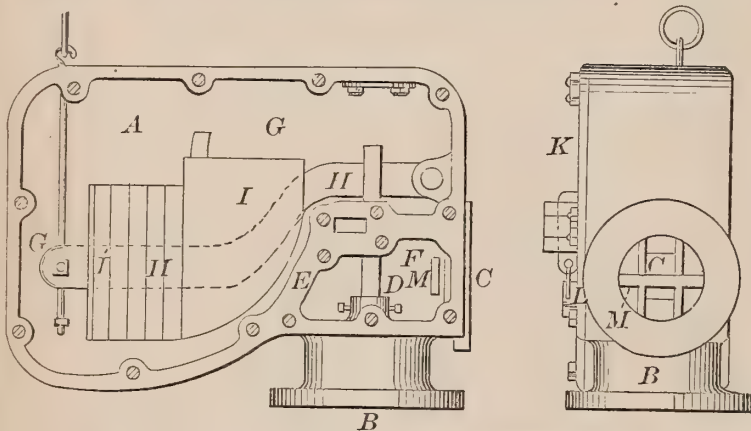
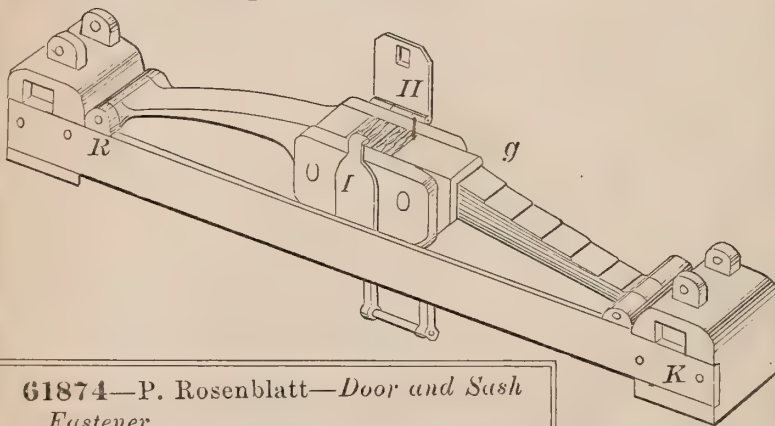
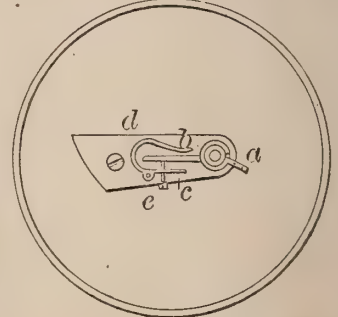
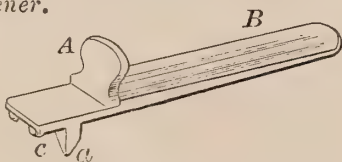
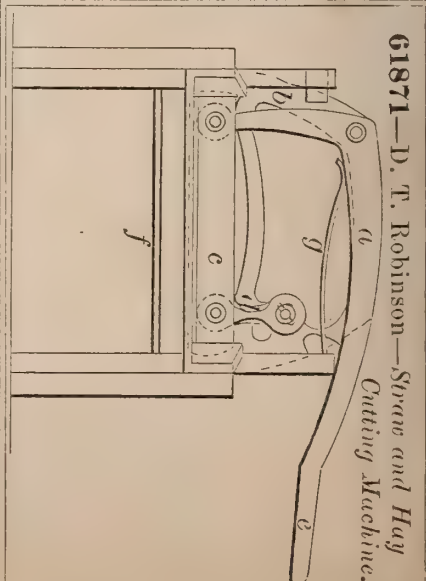
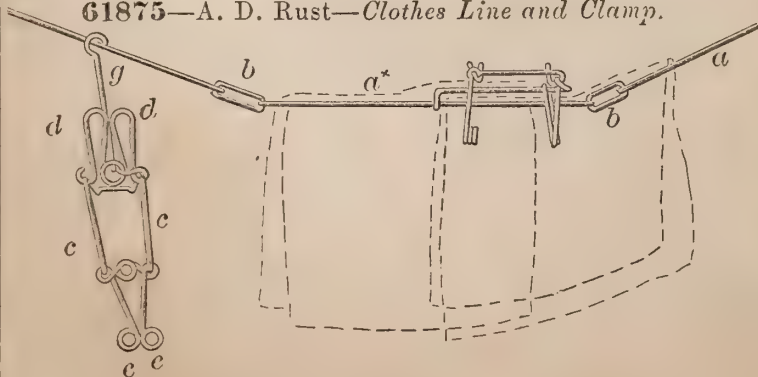
61863—L. A. Plumb—*Nurse Stove.*



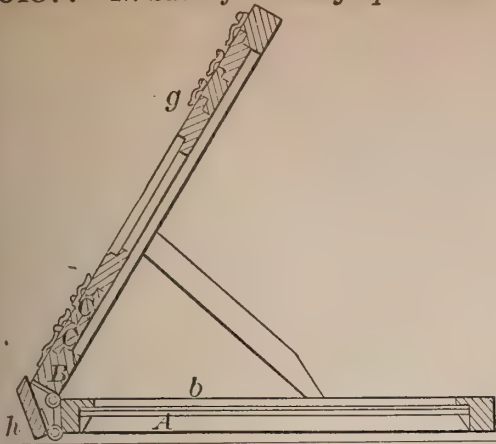
61865—J. W. Preston—*Breech-Loading Fire Arm.*



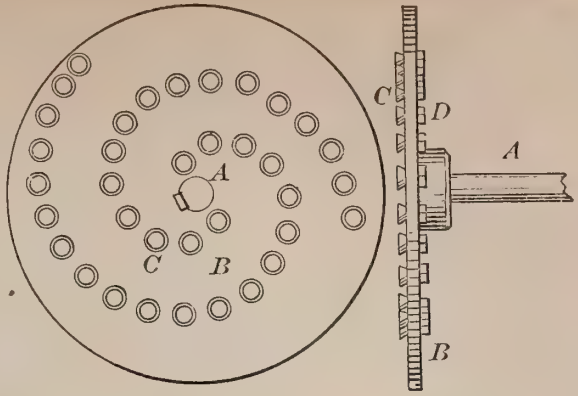


61866—J. H. Rae—*Treating Ores.*61868—J. Reese—*Bale Hoop Fastening.*61872—R. Robinson—*Lock-up Safety Valve.*61869—J. W. Reid—*Steam Generator.*61873—D. B. Rogers—*Car Truck.*61867—G. P. Reed—*Time Piece Regulator.*61874—P. Rosenblatt—*Door and Sash Fastener.*61875—A. D. Rust—*Clothes Line and Clamp.*61871—D. T. Robinson—*Scythe and Hay Cutting Machine.*

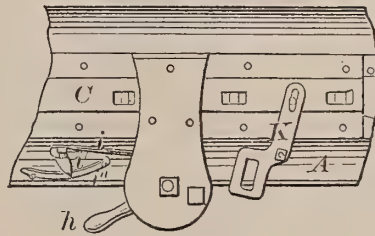
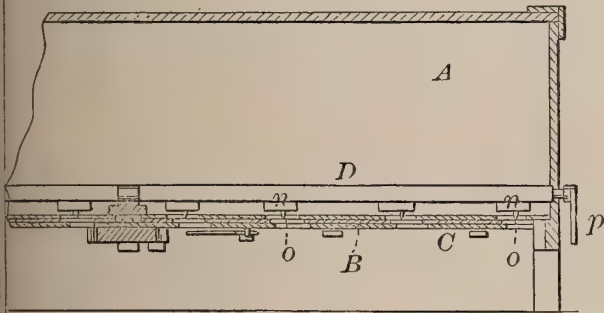
61877—N. Sarony—*Photograph Holder.*



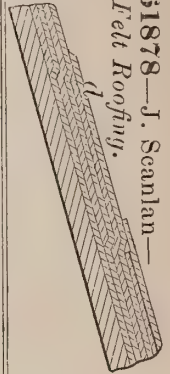
61884—A. Smith—*For Cutting Cracklings.*



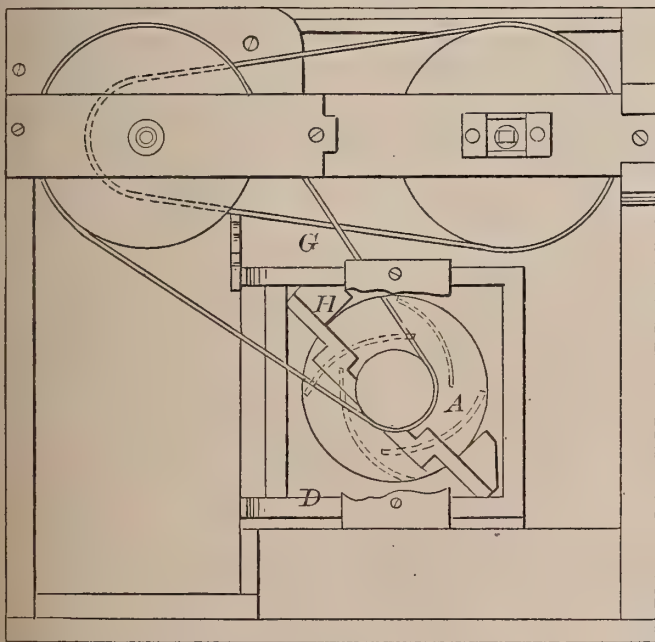
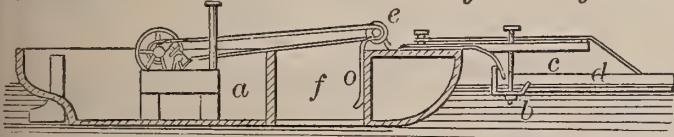
61879—P. & P. J. Schmitt—*Grain Drill.*



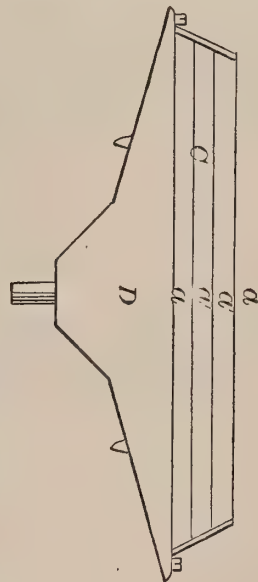
61878—J. Scanlan—*Felt Roofing.*



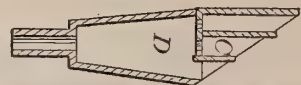
61880—J. J. Serrell—*For Collecting Floating Oil.*



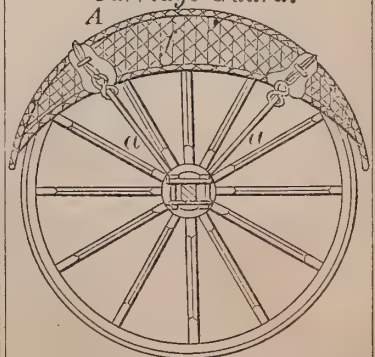
61882—Z. B. Shannon—*Rotary Pump.*



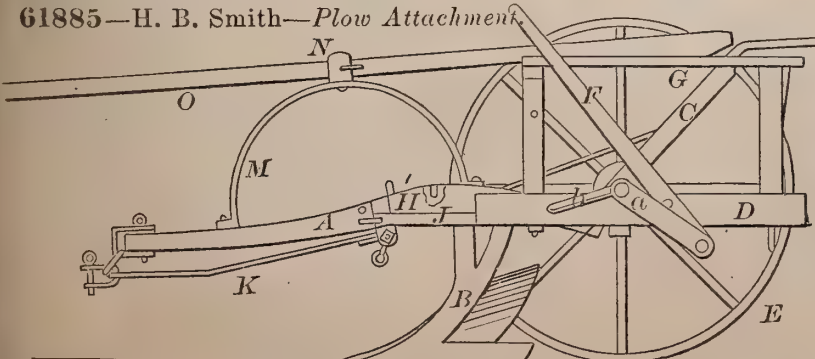
61881—Seward & Smith—*Steam Generator.*



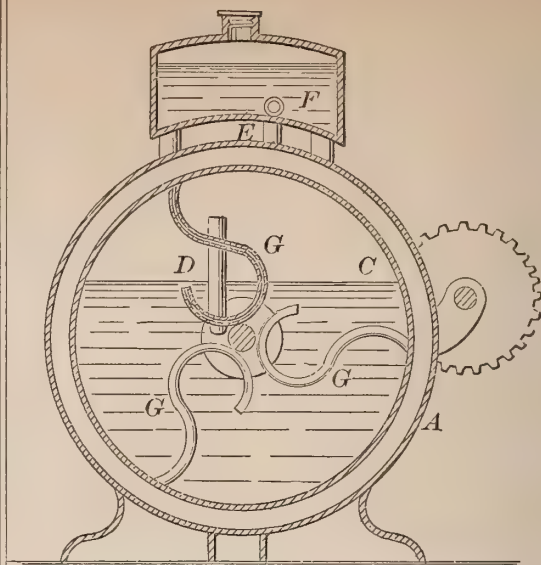
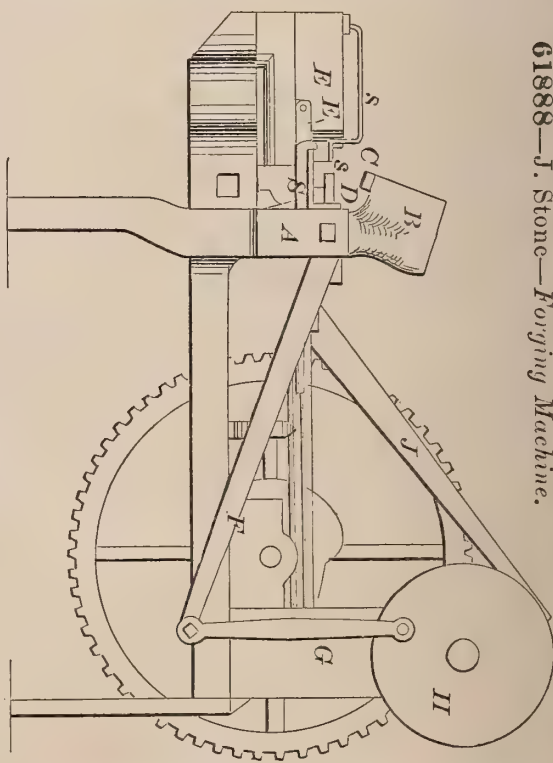
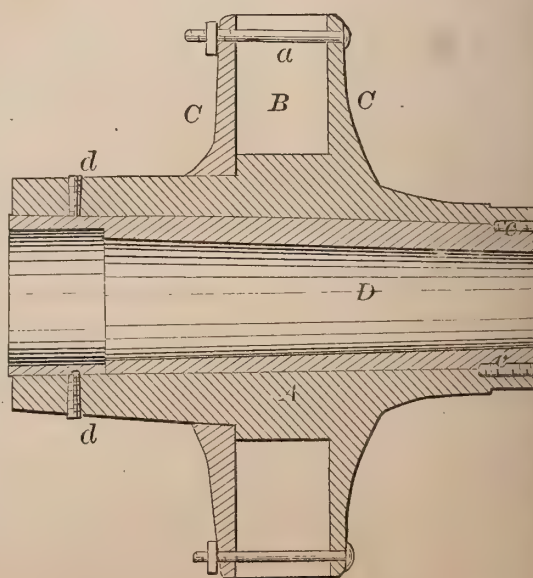
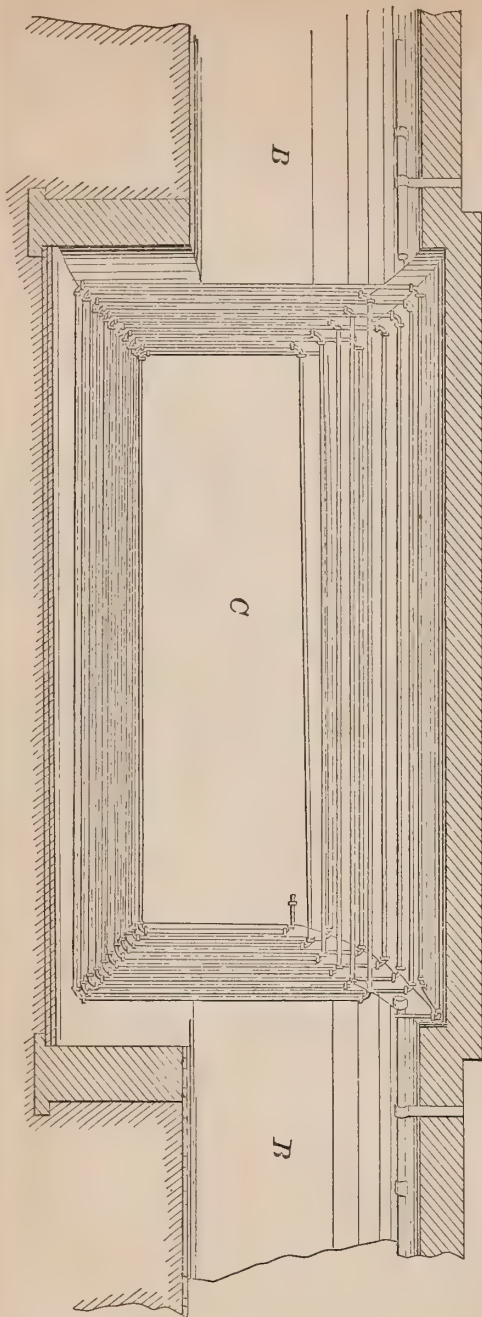
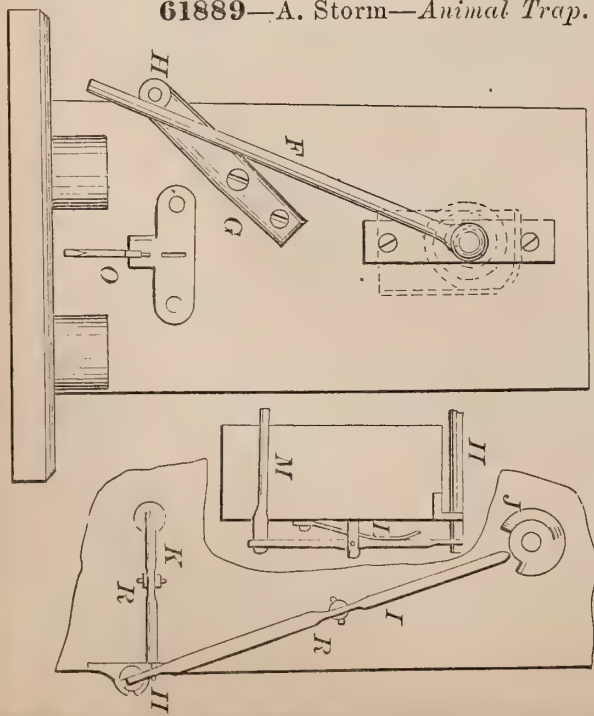
61883—I. M. Singer—*Carriage Guard.*



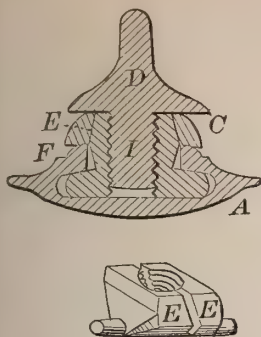
61885—H. B. Smith—*Plow Attachment.*



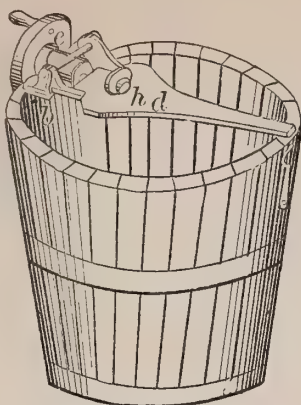


61887—J. F. Spence—*Gas Apparatus.*61888—J. Stone—*Forging Machine.*61890—J. B. Stuart—*Securing Boxes in Metallic Hubs.*61886—D. E. Simes—*Moistening, Cooling and Warming Air.*61889—A. Storm—*Animal Trap.*

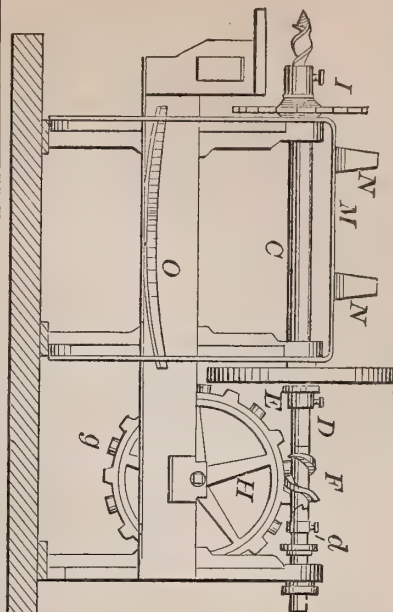
**61891**—C. M. Sturgess—*Harness Tree.*



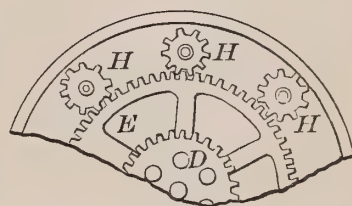
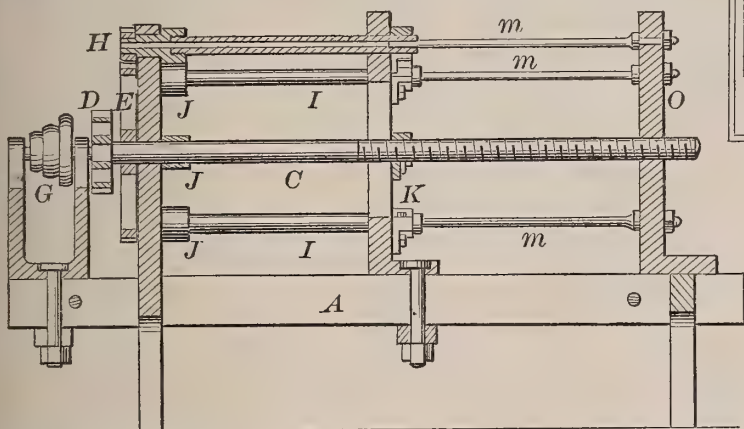
**61895**—E. S. Torrey—*Cream Freezer.*



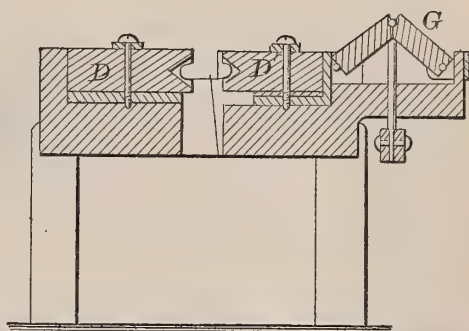
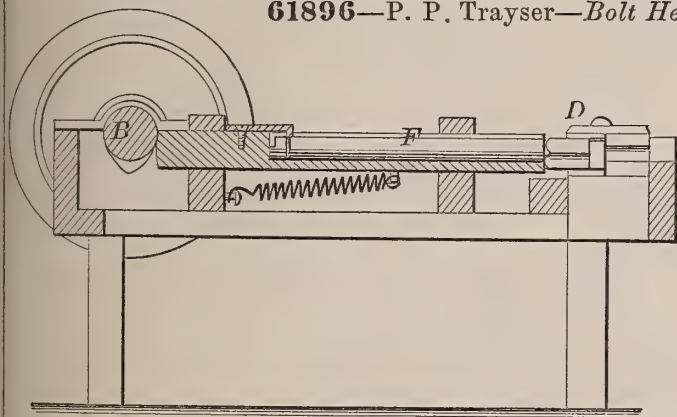
**61893**—J. B. Sweetland—*Sawing Machine.*



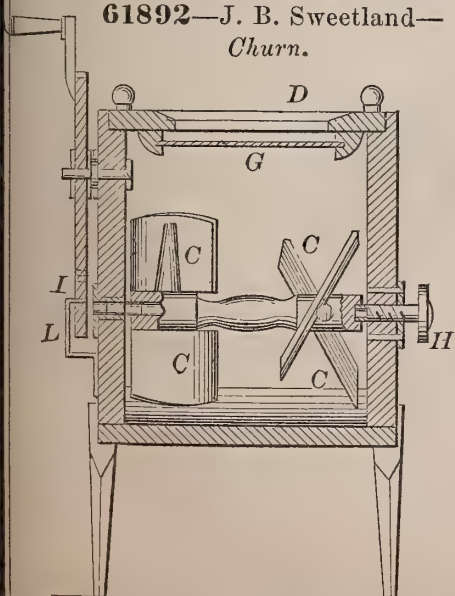
**61894**—J. A. Thomas—*Metal Tube Polishing Machine.*



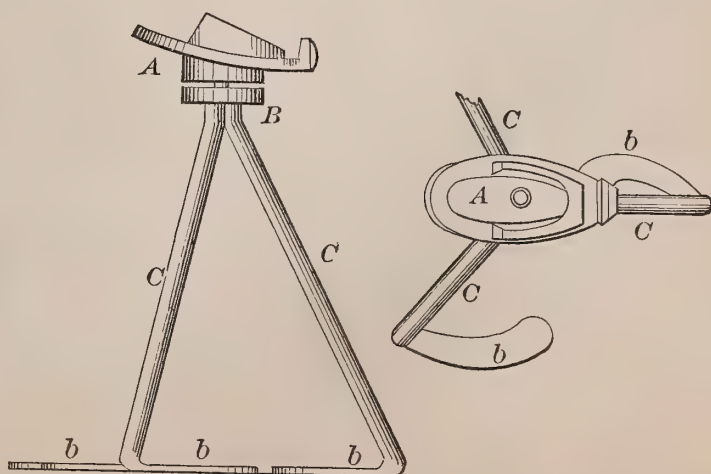
**61896**—P. P. Trayser—*Bolt Heading Machine.*



**61892**—J. B. Sweetland—*Churn.*

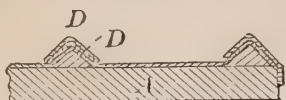


**61897**—J. E. Tucker—*Horse Foot Rest.*

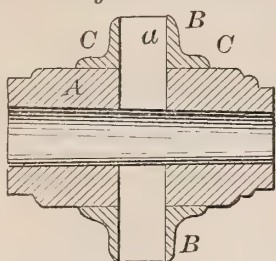




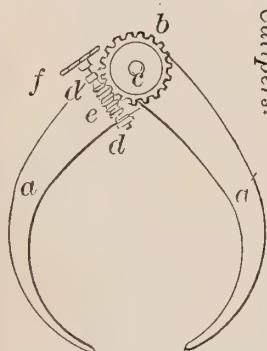
**61899**—J. C. Wands—  
*Roofing.*



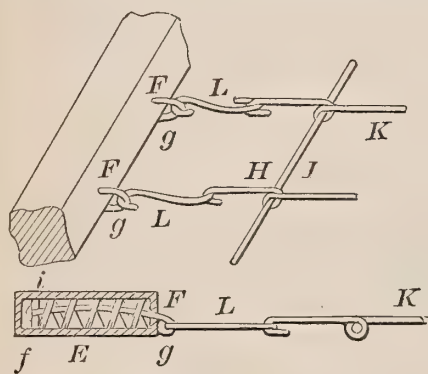
**61900**—A. Warner—  
*Carriage Wheel Hub.*



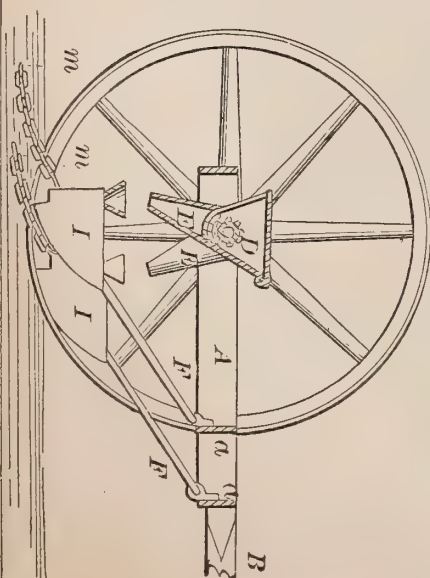
**61902**—A. V. D. Westervelt—  
*Culipers.*



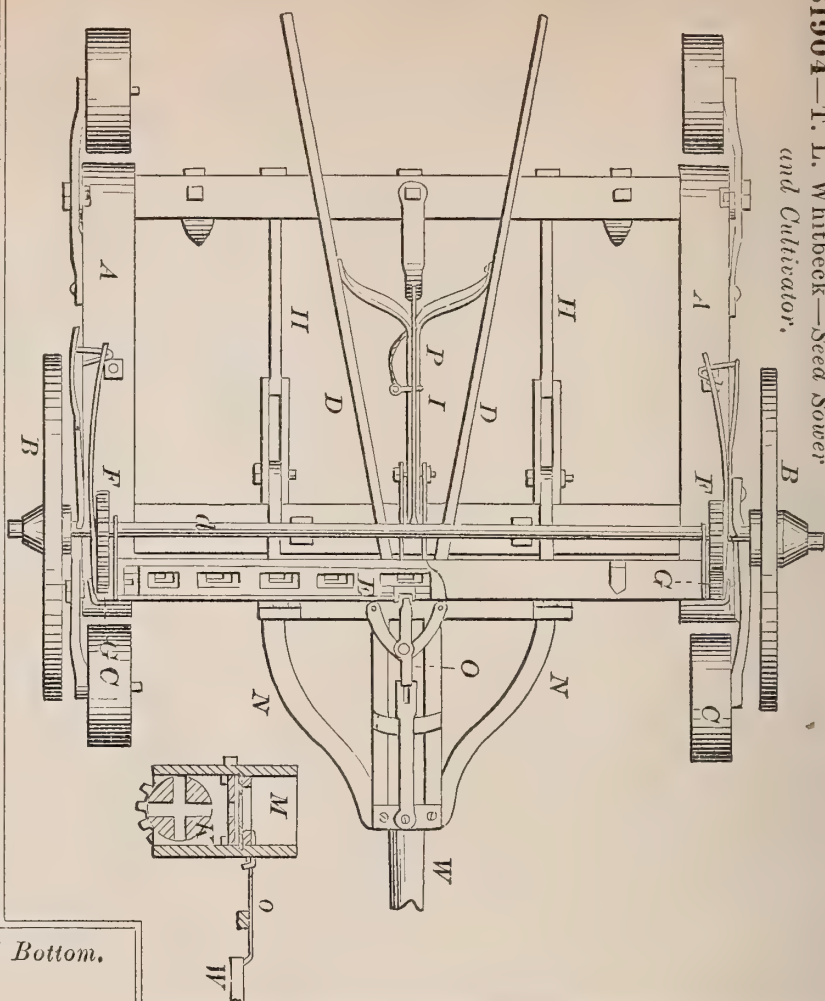
**61901**—W. Weaver—*Bed Bottom.*



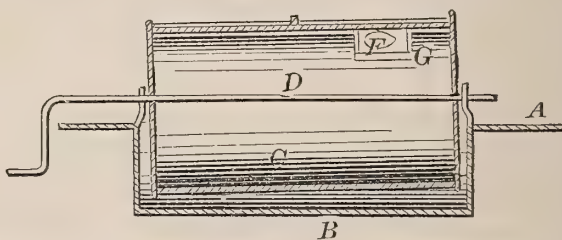
**61903**—Wheeler & Tuttle—  
*Grain Drill.*



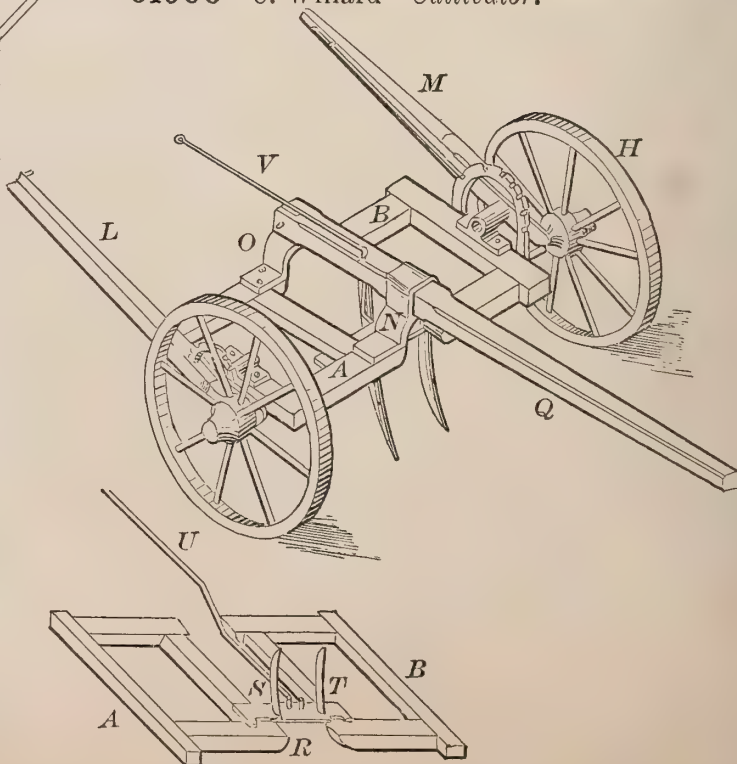
**61904**—T. L. Whitbeck—*Seed Sower  
and Cultivator.*



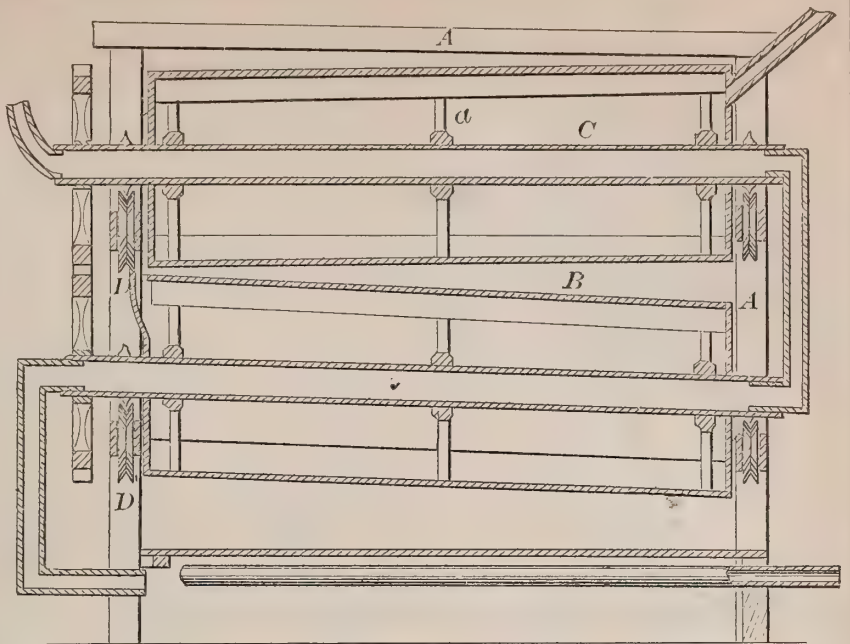
**61905**—N. L. Whitney—*Coffee Roaster.*



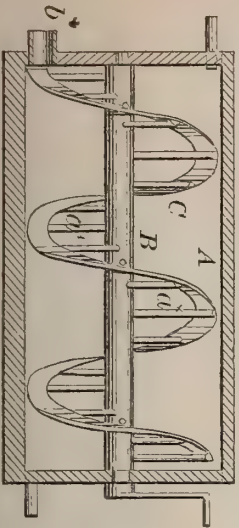
**61906**—C. Willard—*Cultivator.*



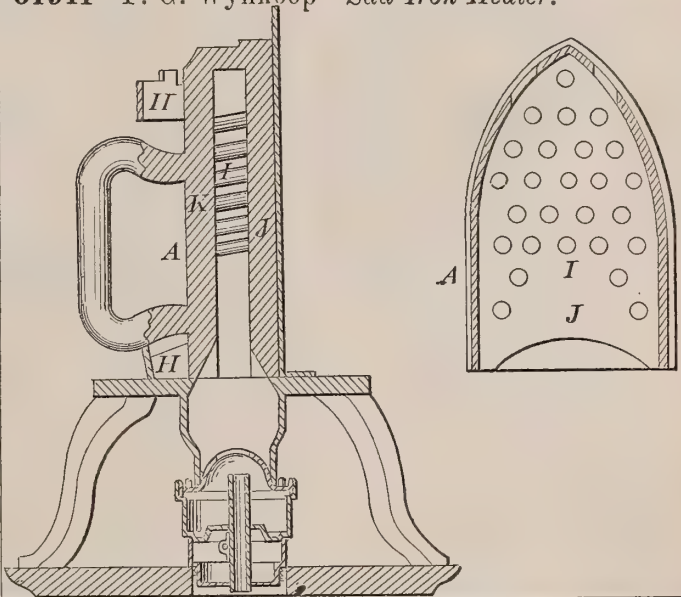
61909—M. H. Wright—*Grain Dryer.*



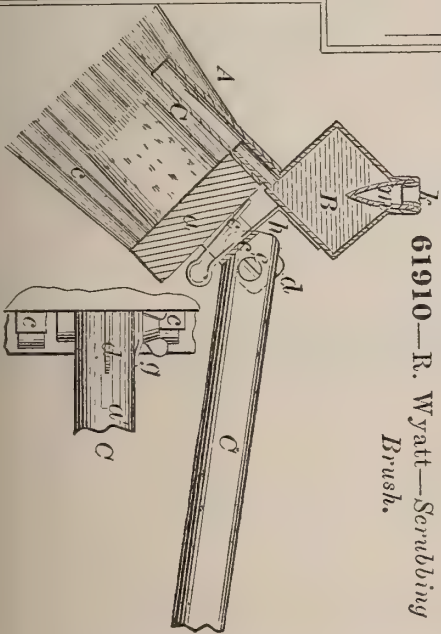
61907—G. B. Williams—*For Stirring and Cooling*  
*Lard.*



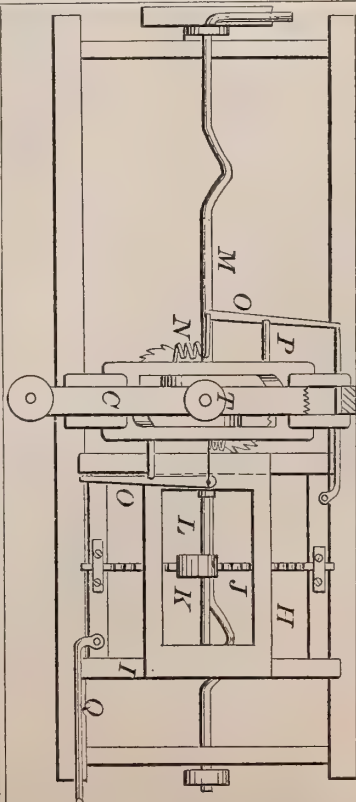
61911—F. G. Wynkoop—*Sad Iron Heater.*



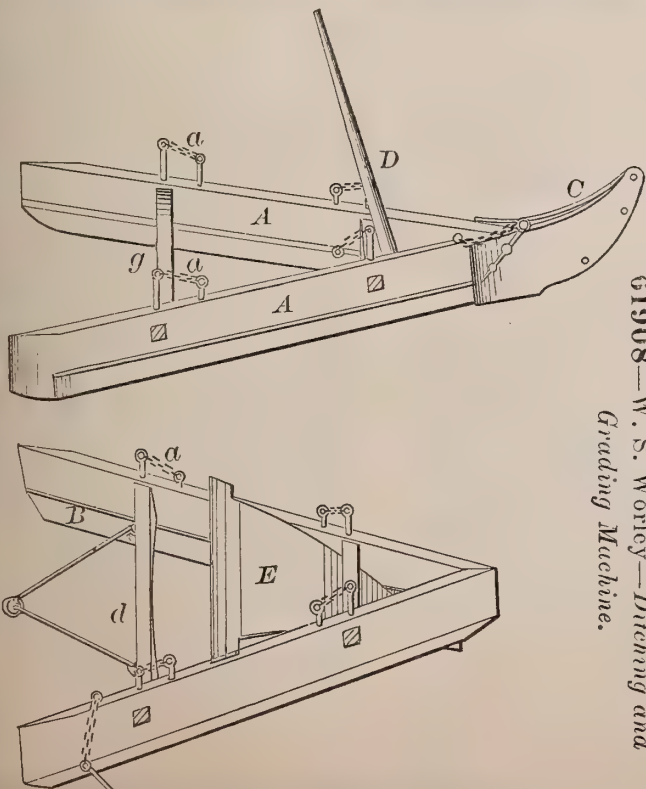
61910—R. Wyatt—*Scrubbing*  
*Brush.*



61912—W. Yaman—*Saw Mill.*

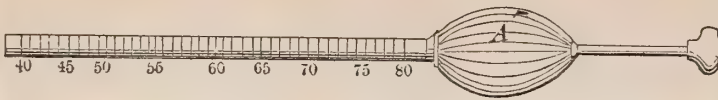


61908—W. S. Worley—*Ditching and*  
*Grading Machine.*

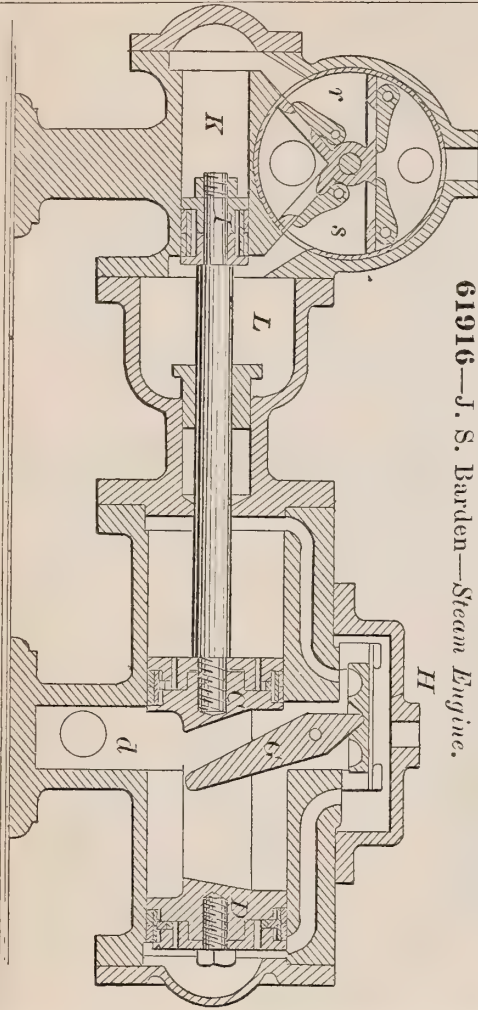
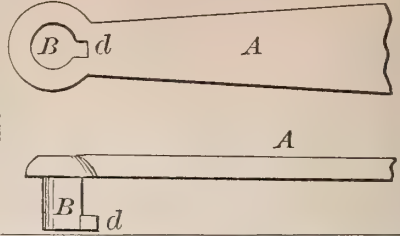




61913—Johnson & Steuernagel—*Spirit Meter.*

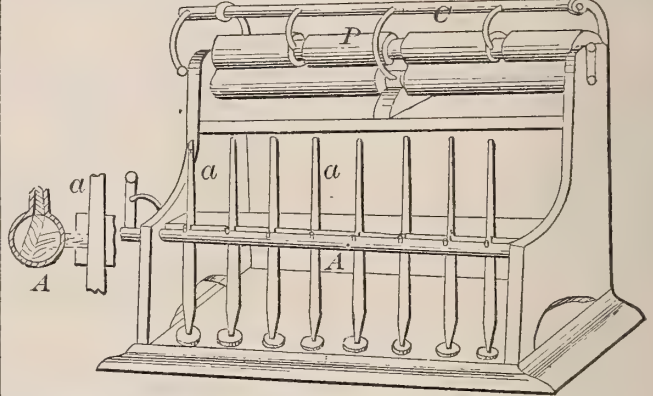


61914—A. L. Babcock—*Car Seat Arm.*

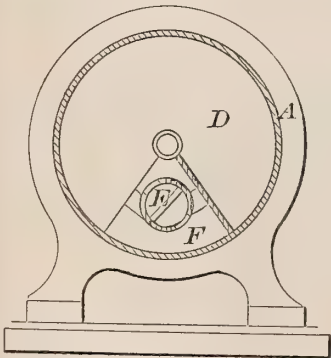
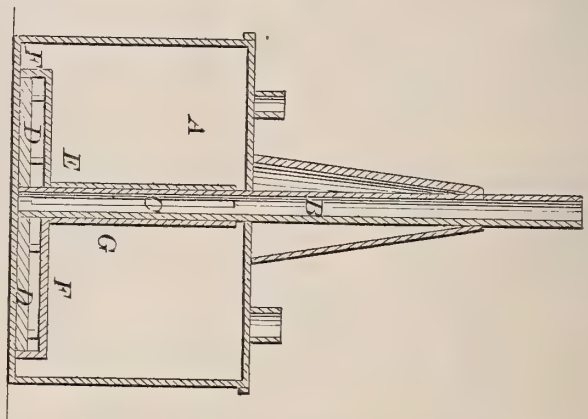


61916—J. S. Barden—*Steam Engine.*

61915—S. H. Barber—*For Oiling Spindles, &c.*

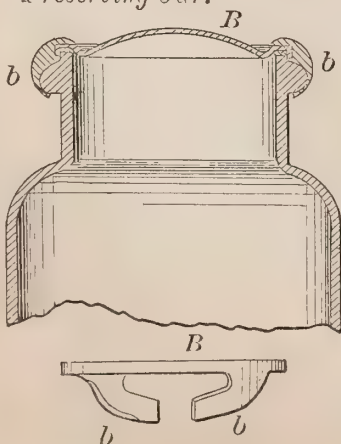


61918—W. W. Bierce—*For Carburetting Gas.*

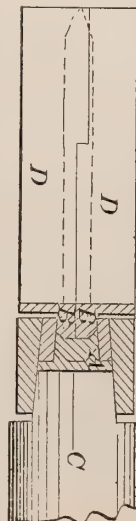


61919—G. W. Bigelow—*Blower.*

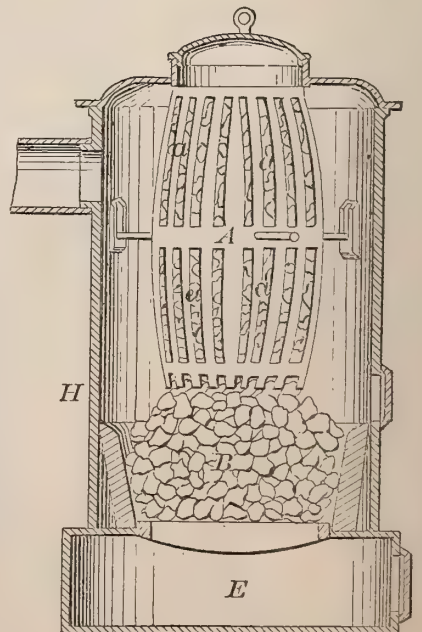
61921—J. Borden—*Cap for Preserving Jar.*



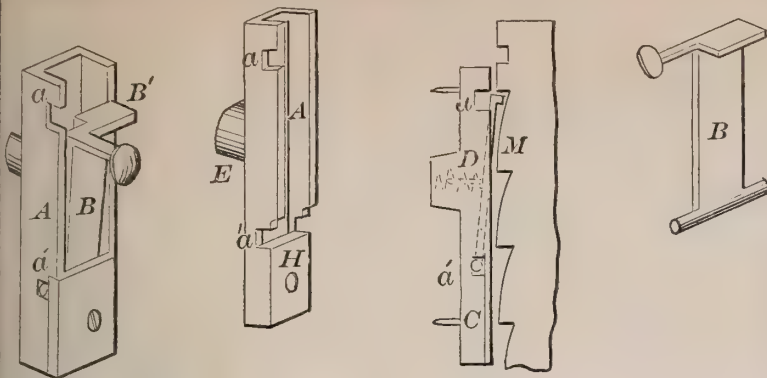
61920—R. Blackwood—*Die for Forming Spike Heads.*



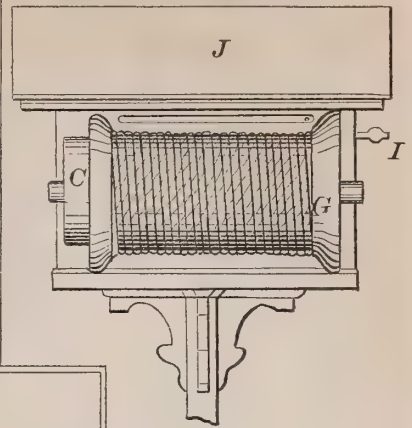
61922—A. Brown—*Coal Stove.*



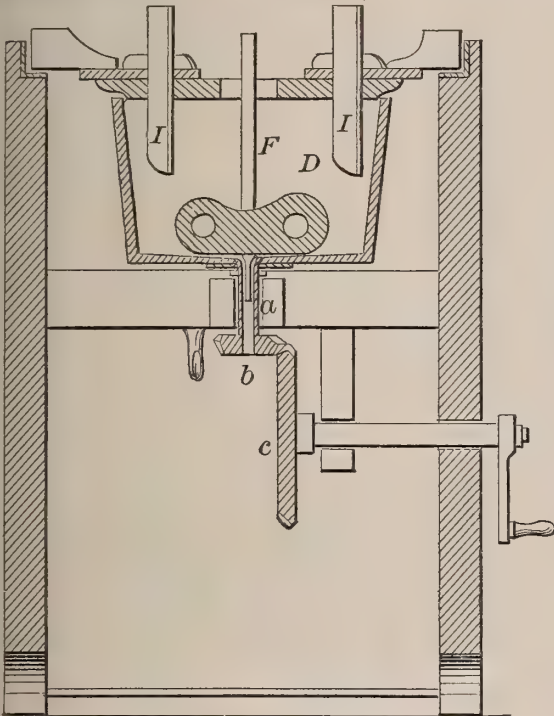
61923—R. F. Brown—*Sash Spring Holder.*



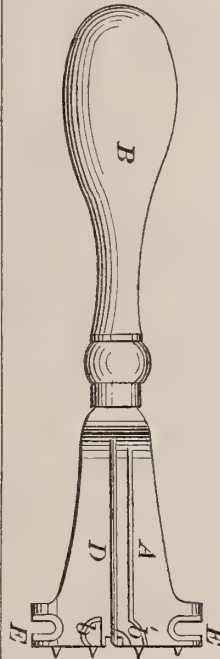
61924—Card & Sallee—*Clothes Line Reel and House.*



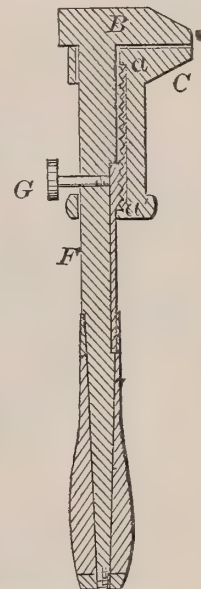
61925—W. L. Card—*Churn.*



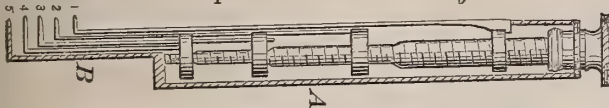
61928—G. O. Dunlap—*Carpet Stretcher.*



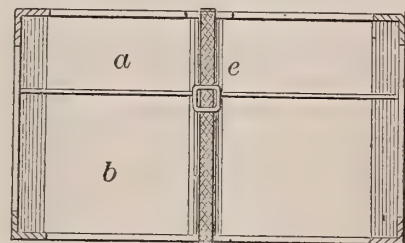
61929—T. Earle—*Wrench.*



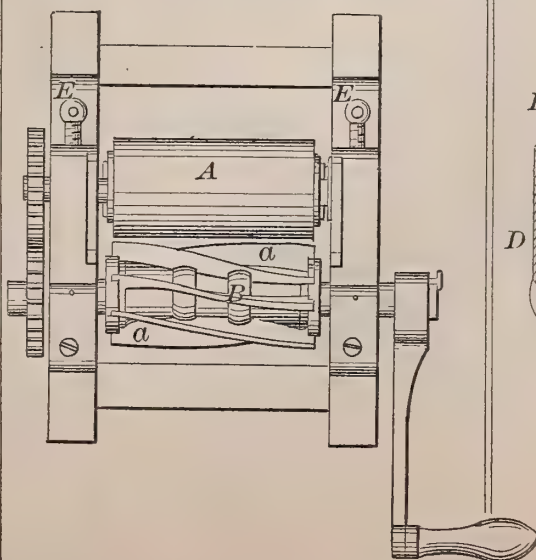
61926—J. S. Copeland—*Screw Gauge.*



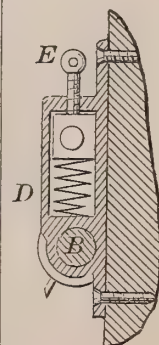
61927—E. Curtice—*Hymn and Tune Book.*



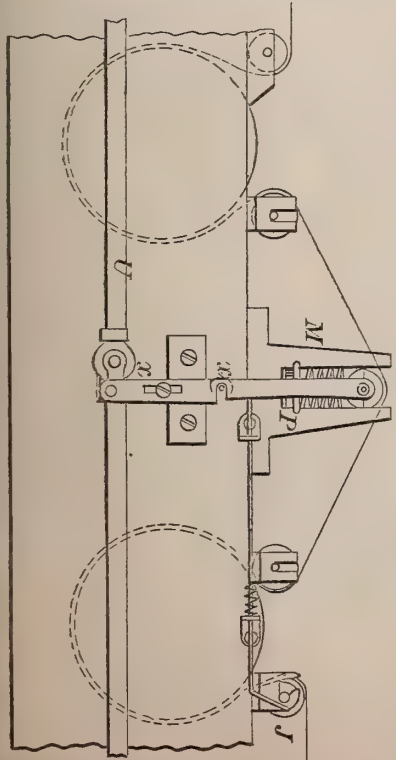
61932—W. Gale—*Straw Cutter.*



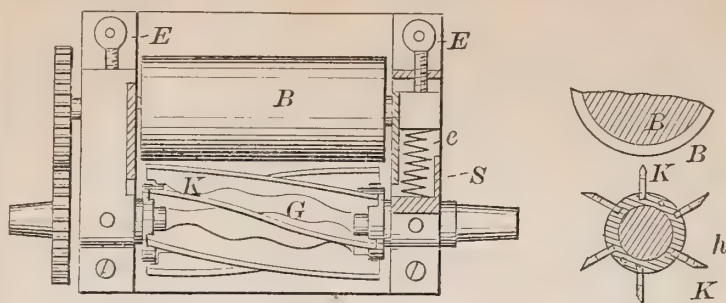
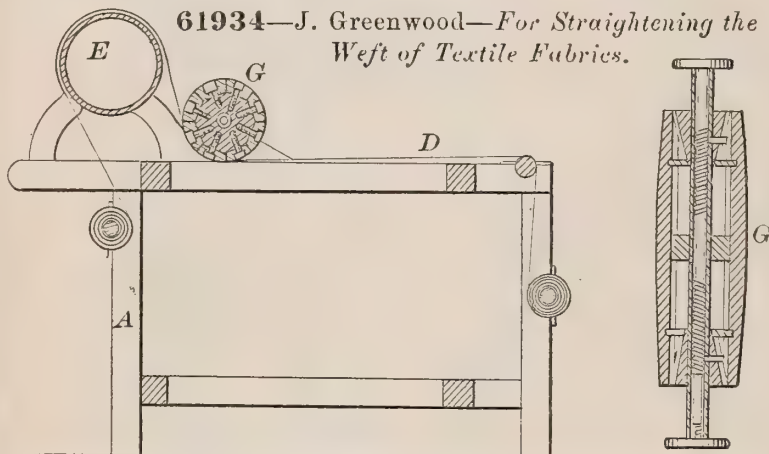
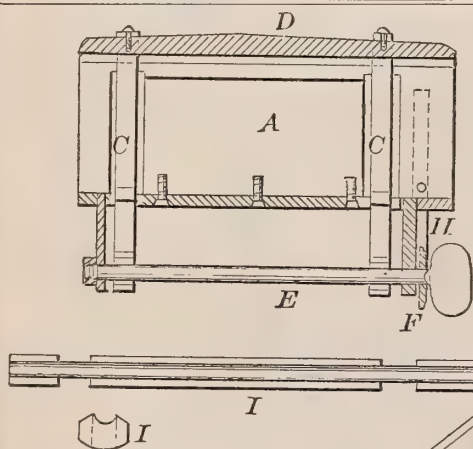
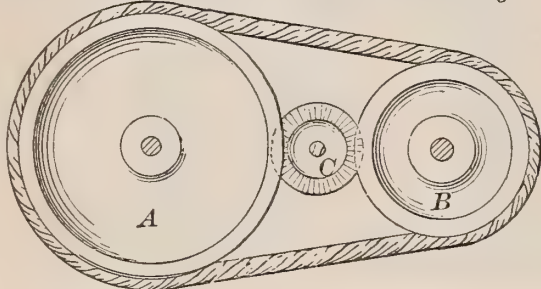
61933—W. Gale—*Straw Cutter.*



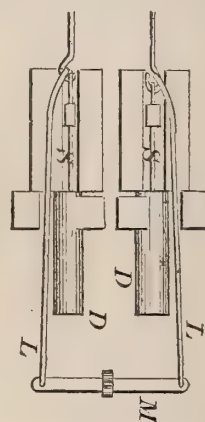
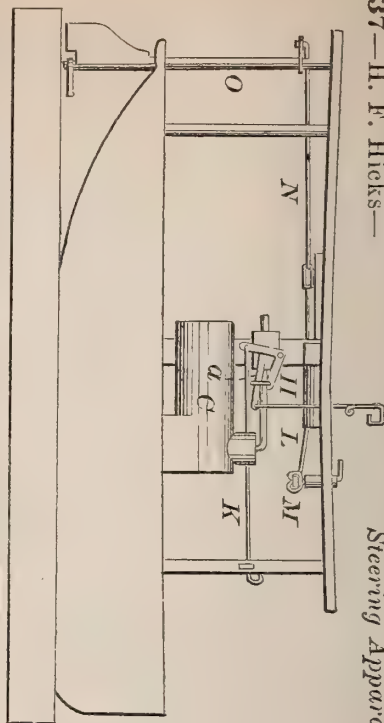
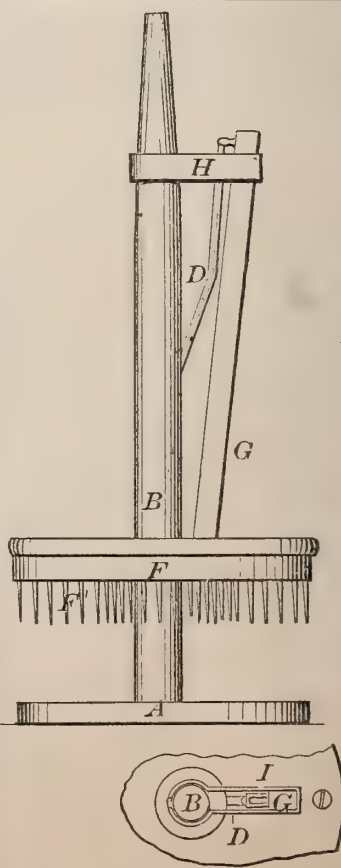
61930—O. Ellsworth—*For Drying Paper.*



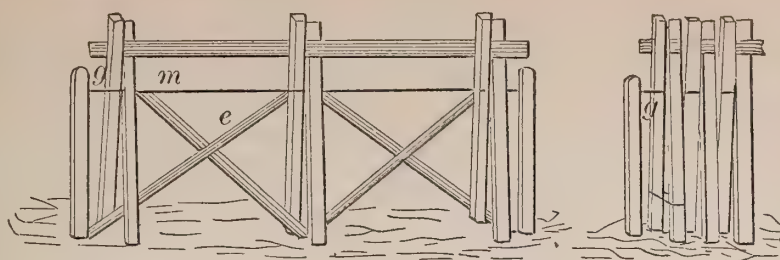


61933—W. Gale—*Straw Cutter.*61934—J. Greenwood—*For Straightening the Weft of Textile Fabrics.*61938—A. Hitchcock—*Machine Gearing.*61939—T. B. Hodge—*Harness Clamp.*61940—A. D. & L. D. Huff—*Sorghum Stripper.*

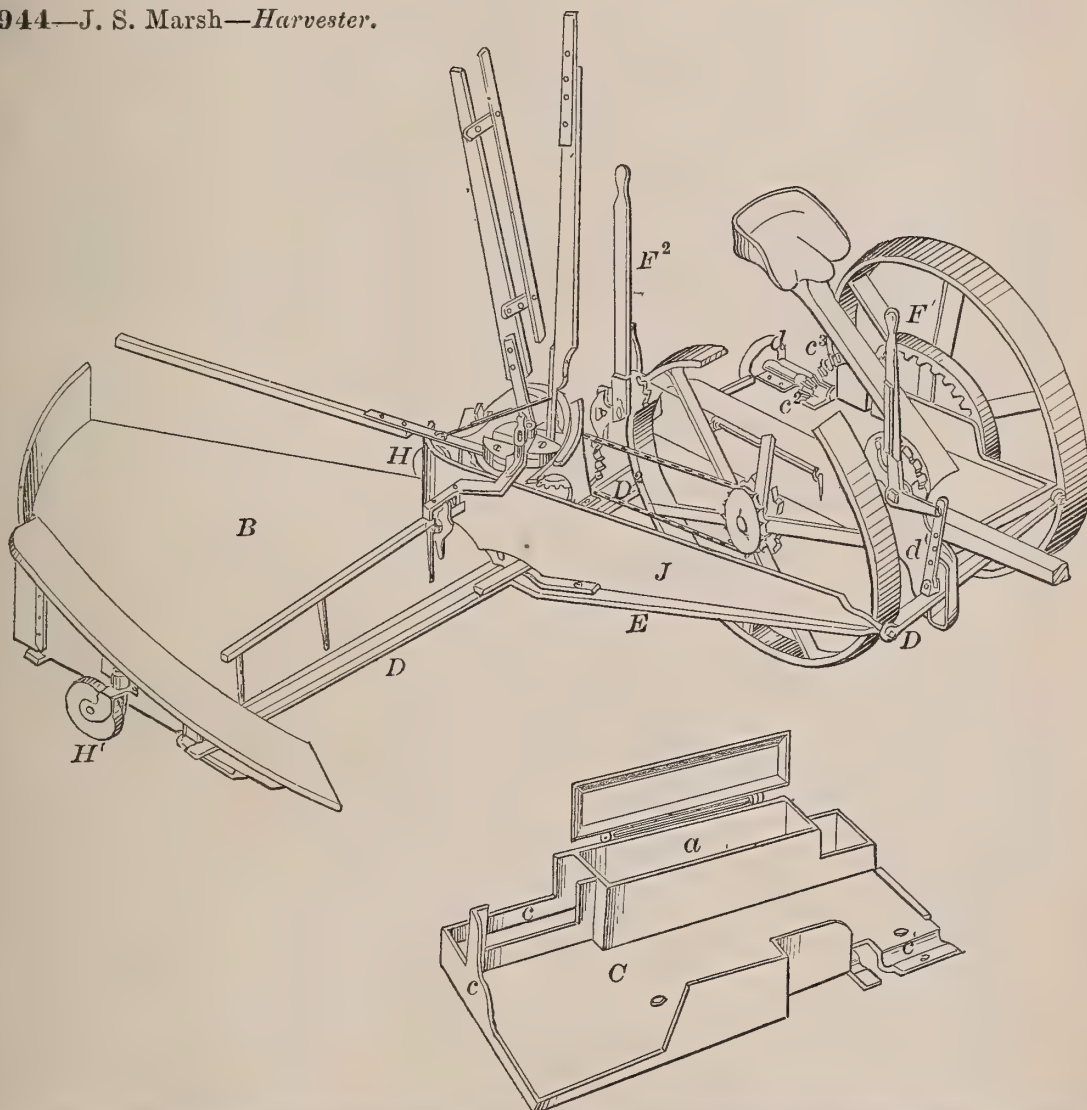
61937—H. F. Hicks—

*Steering Apparatus.*61935—P. Harlow—*Belt Clasp.*61941—H. Lee—*Animal Trap.*

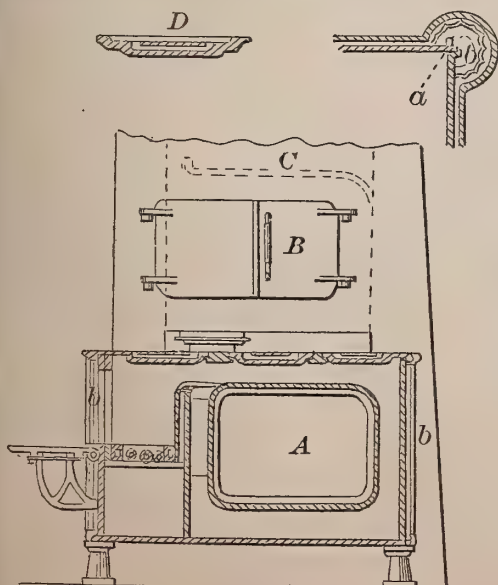
61942—J. C. Leonard—*Fence.*



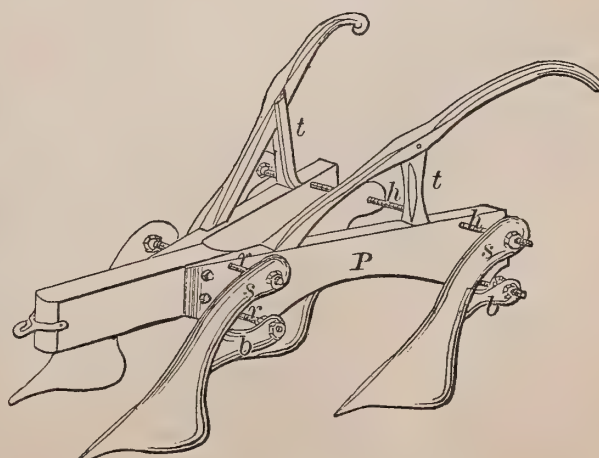
61944—J. S. Marsh—*Harvester.*



61945—J. Marshall—*Cooking Stove.*

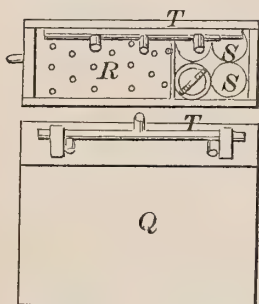
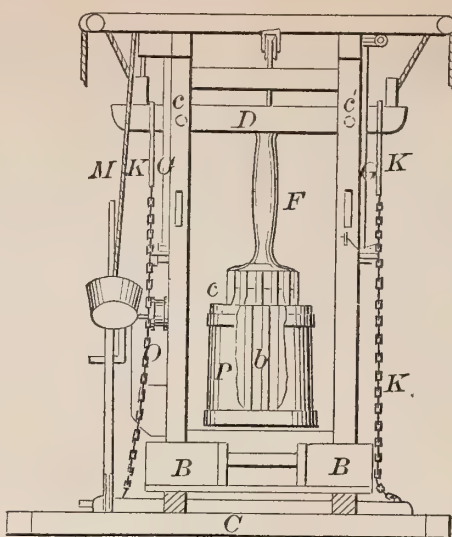
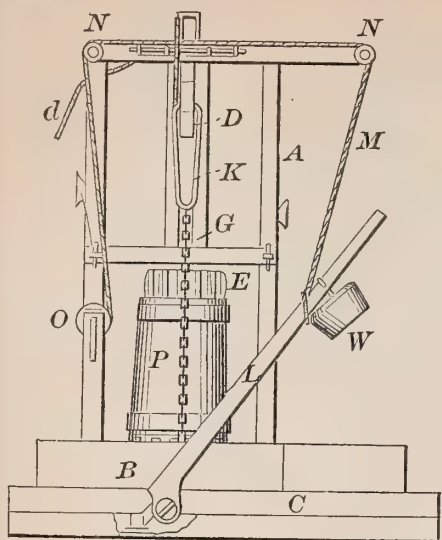


61943—Lord & Woodman—*Cultivator.*

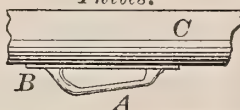




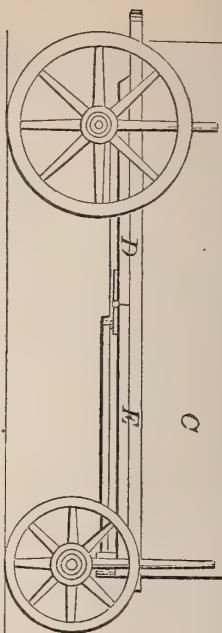
61946—J. B. Meriam—For Extracting Paraffine, &c., from Oil.



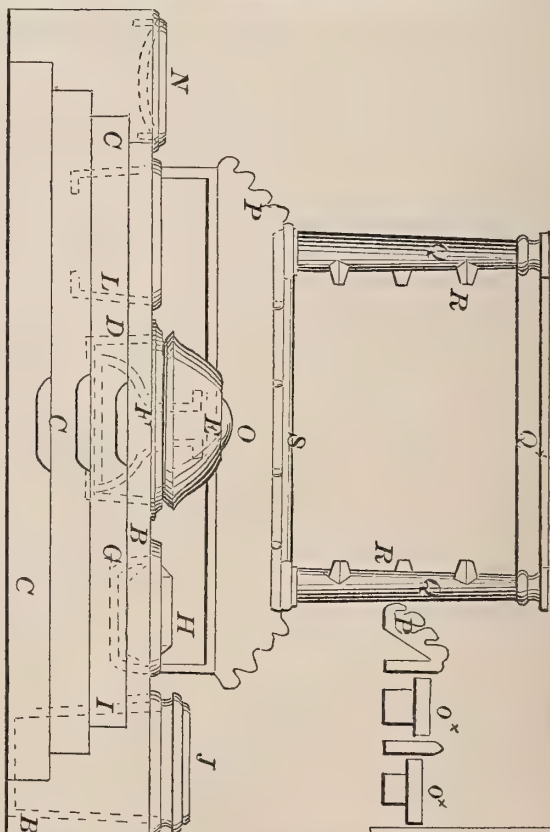
61951—R. B. Prindle—Hold Back for Carriage Thills.



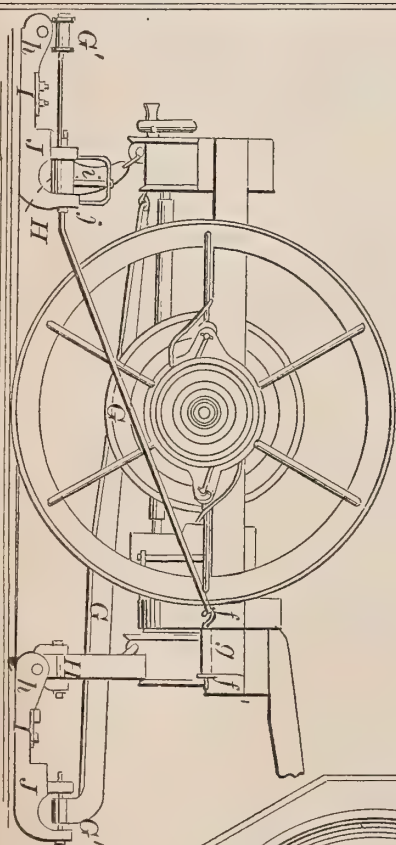
61948—G. N. Munger—Dumping Wagon.



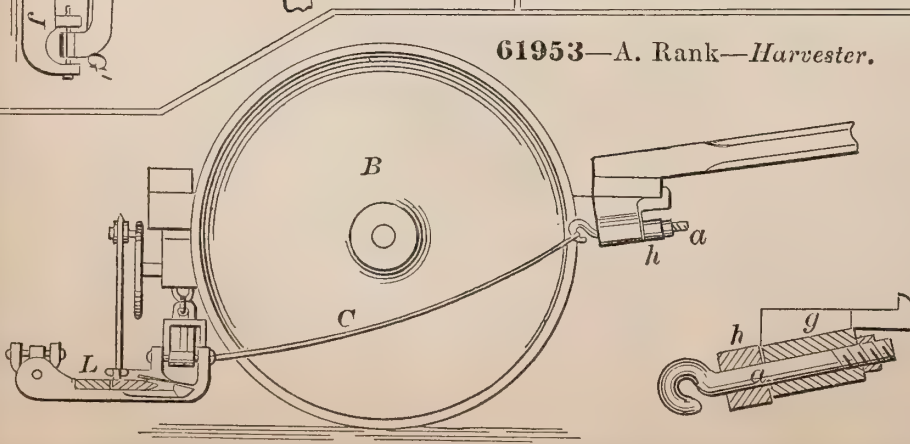
61950—Perry & Brooks—Stump Holder and Instand.



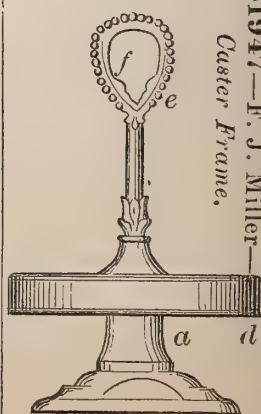
61952—A. Rank—Harvester.



61953—A. Rank—Harvester.

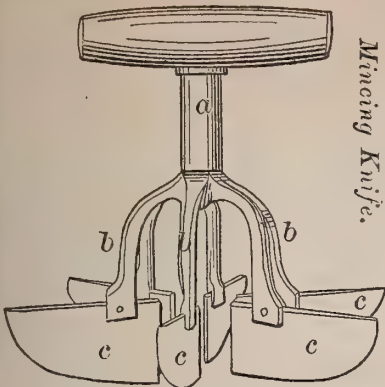


61947—F. J. Miller—Caster Frame.

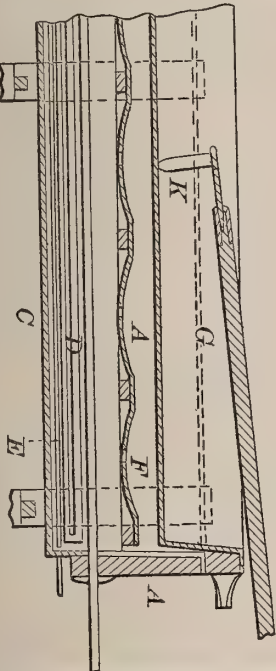


61954—H. M. Remington—

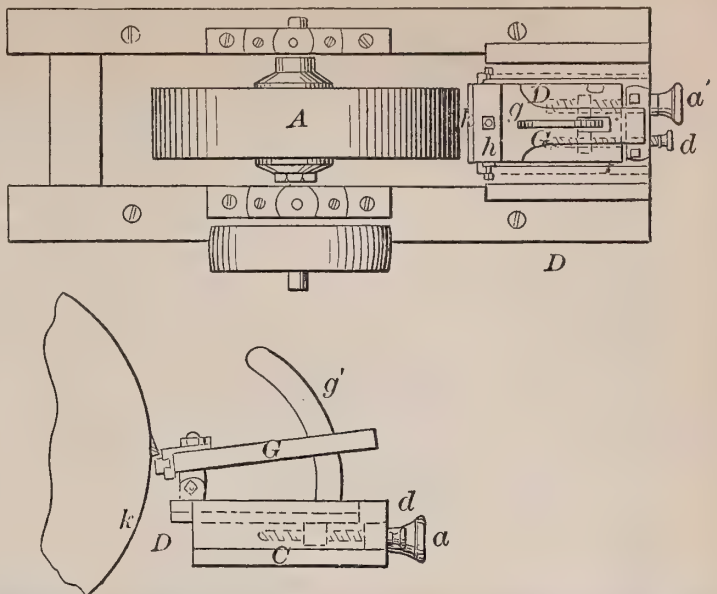
*Mincing Knife.*



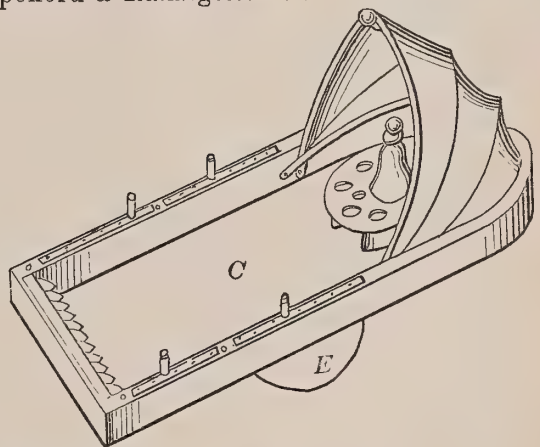
61959—A. Slaughter—*Cheese Vat.*



61955—J. Richards—*For Grinding Saws.*



61960—Spofford & Raffington—*Portable Pistol Gallery.*



61958—W. H. Shurtleff—*Pavement.*

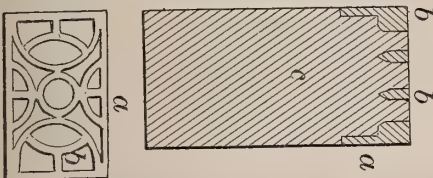


Fig. 3

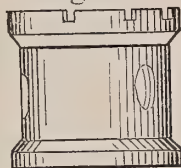
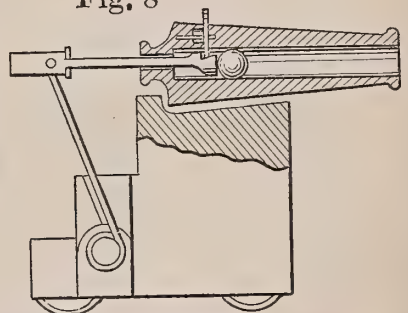
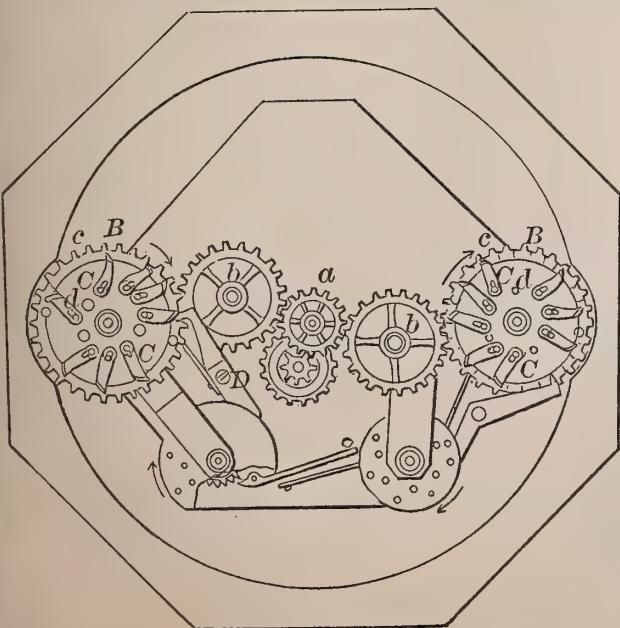


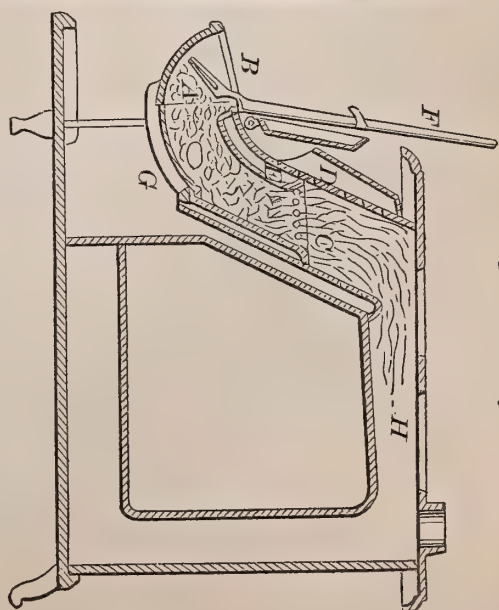
Fig. 8



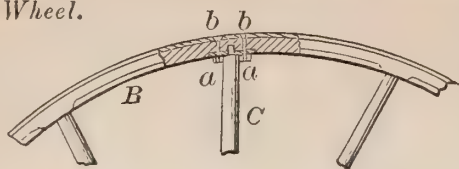
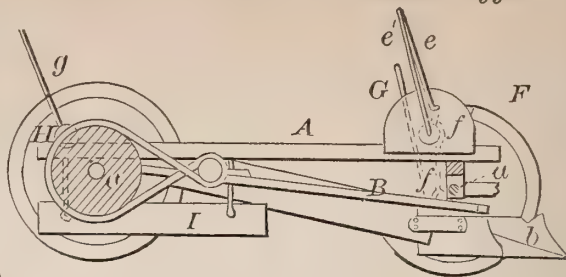
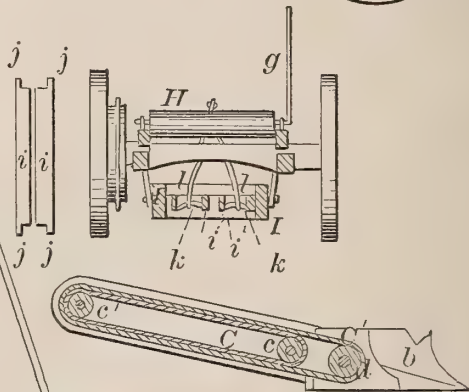
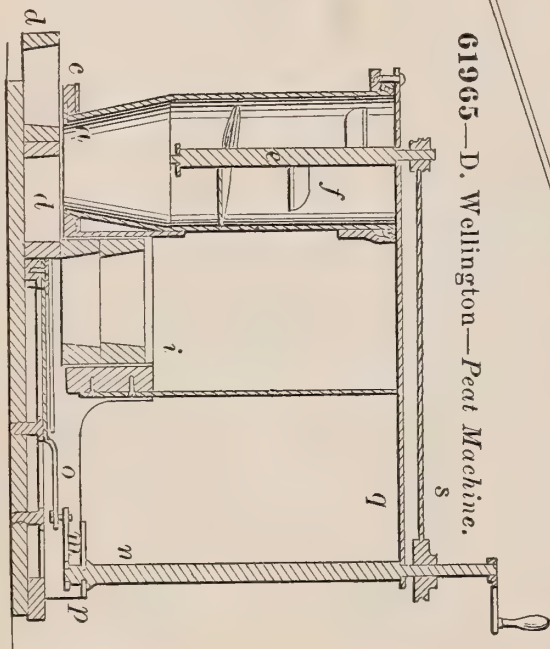
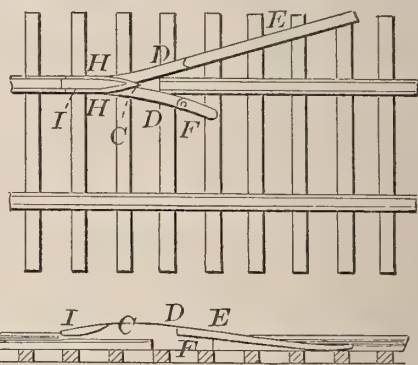
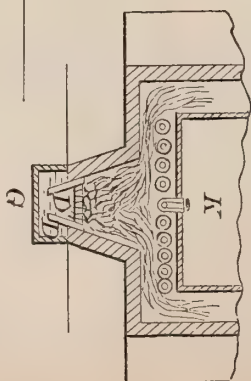
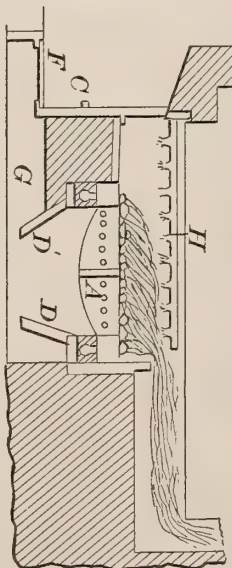
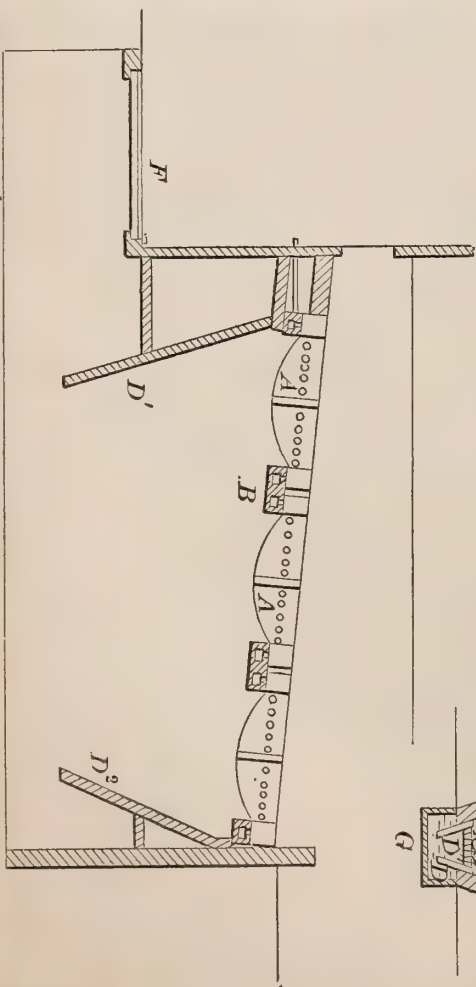
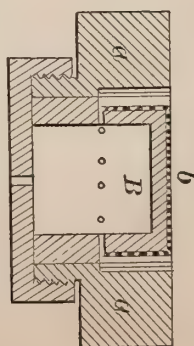
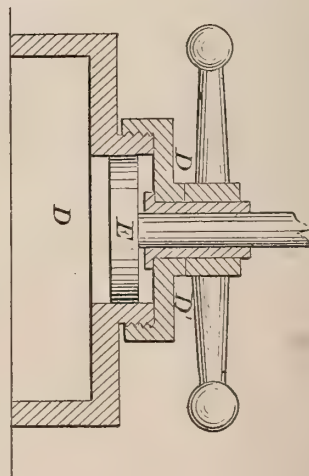
61961—R. C. Taylor—*Railroad Time Indicator.*



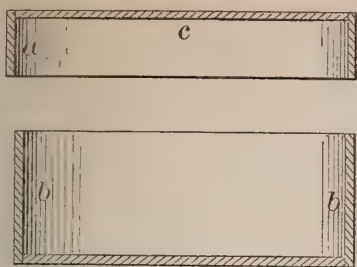
61956—J. J. Savage—*Cooking Stone.*





**61962**—A. P. Ware—*Metallic Carriage Wheel.***61963**—B. O. Warren—*Potato Digger.***61965**—D. Wellington—*Peat Machine.***61967**—G. Westinghouse, Jr.—*Railroad Switch.***61964**—G. Warriner—*Furnace and Fire Place Grate.***61968**—Wheeler & Jerome—*Paper Box Manufacture.*

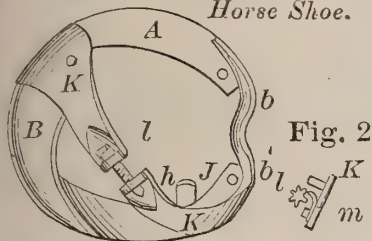
**61969**—Wheeler & Jerome—*Paper Pulp Box.*



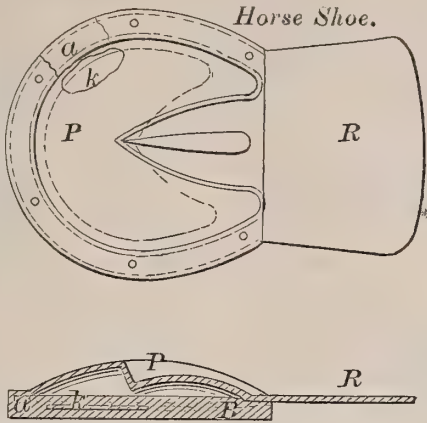
**61972**—A. S. Wilkinson—*Horse Shoe.*



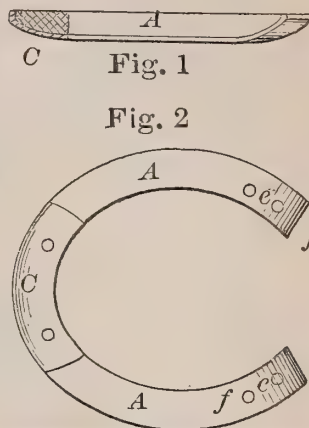
**61971**—A. S. Wilkinson—*Horse Shoe.*



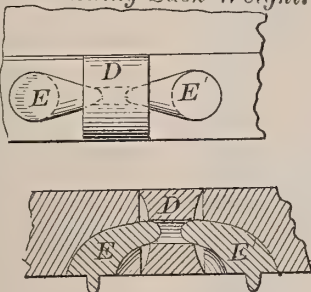
**61973**—A. S. Wilkinson—*Horse Shoe.*



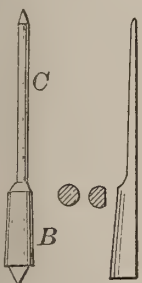
**61974**—A. S. Wilkinson—*Horse Shoe.*



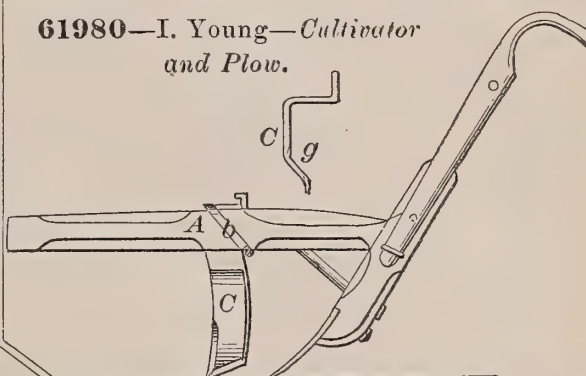
**61976**—S. Williamson—*Moulding Sash Weight.*



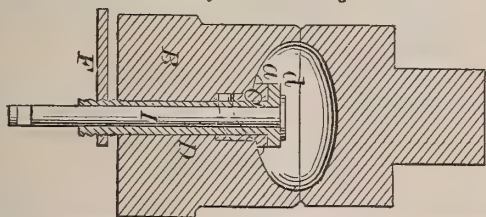
**61970**—A. S. Wilkinson—*Horse Shoe Nail.*



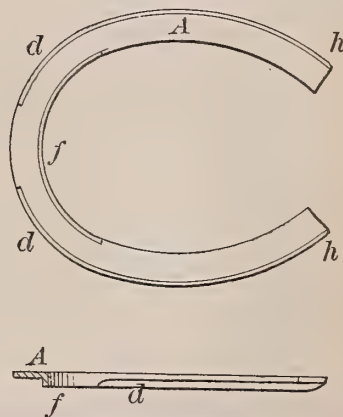
**61980**—I. Young—*Cultivator and Plow.*



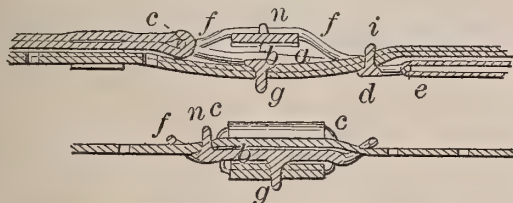
**61977**—J. Wise—*Die for Making Knobs.*



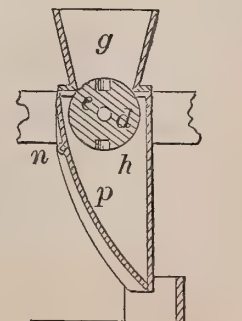
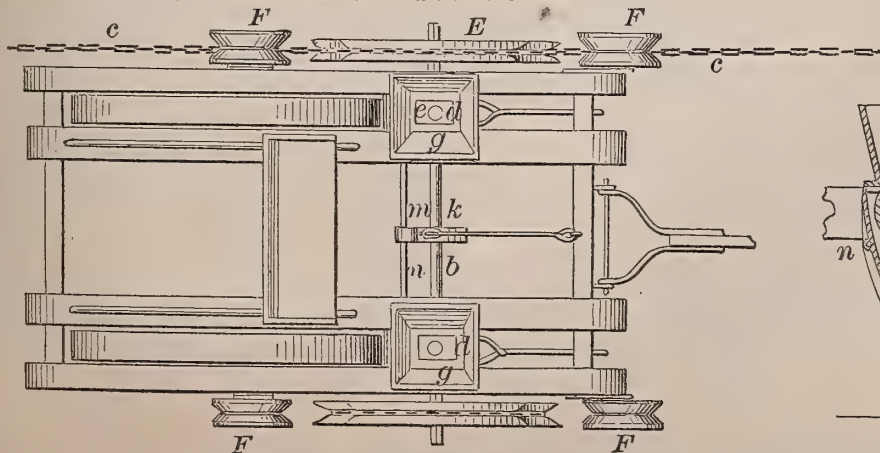
**61975**—A. S. Wilkinson—*Horse Shoe.*



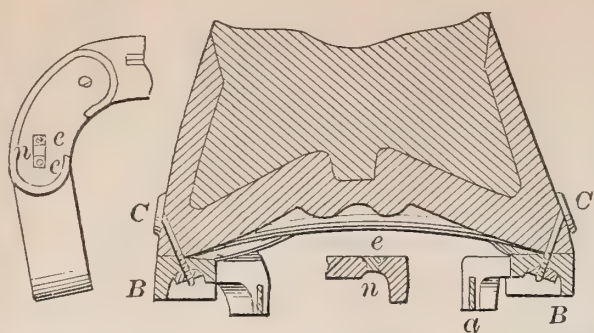
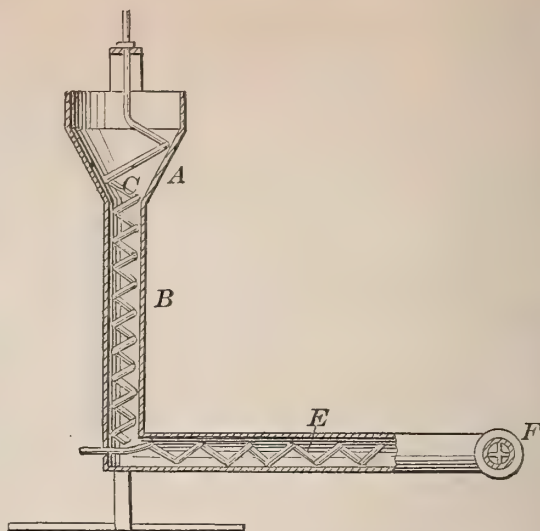
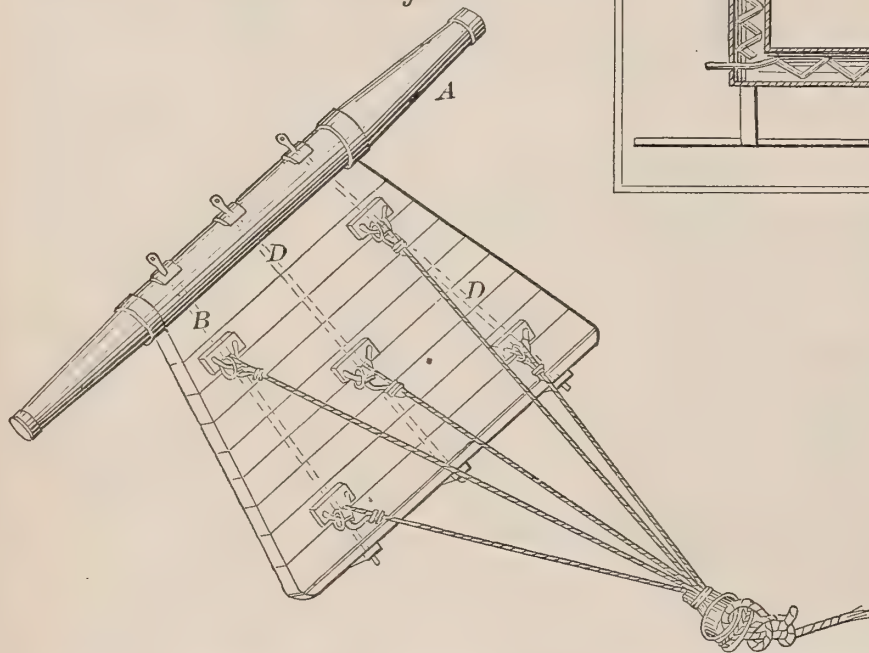
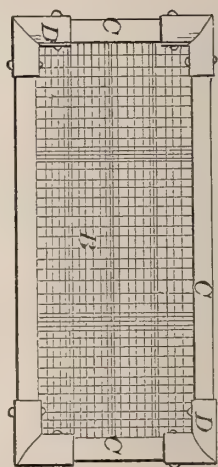
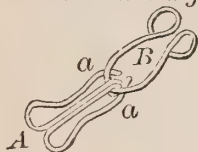
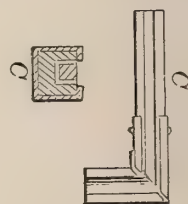
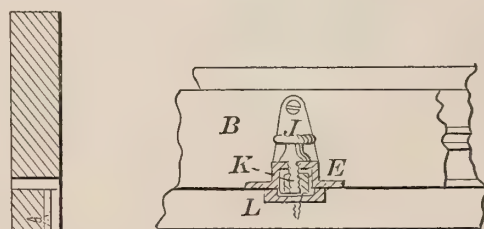
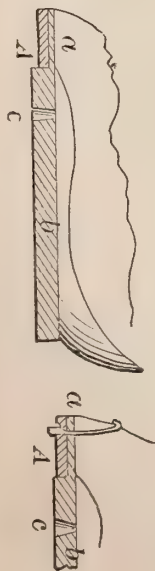
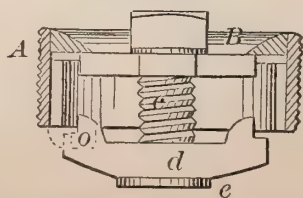
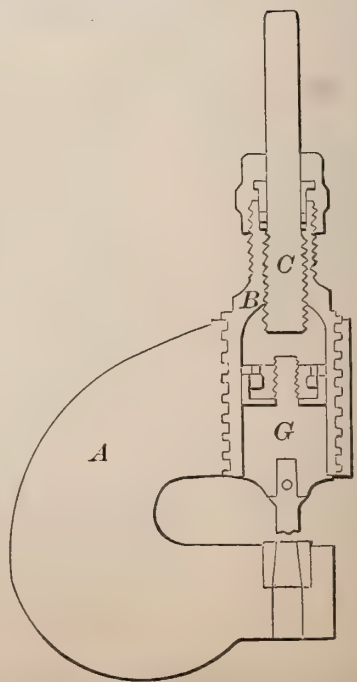
**61979**—H. S. Woodruff—*Buckle.*



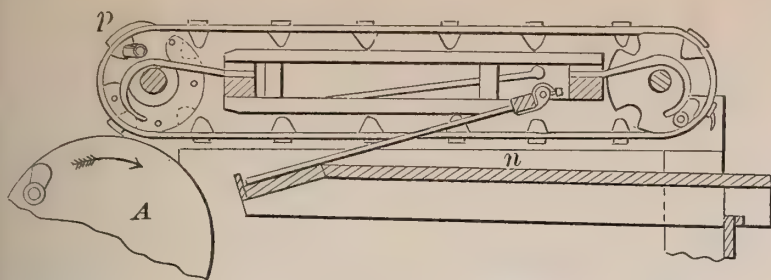
**61981**—Arvin & Whitmore—*Corn Planter.*



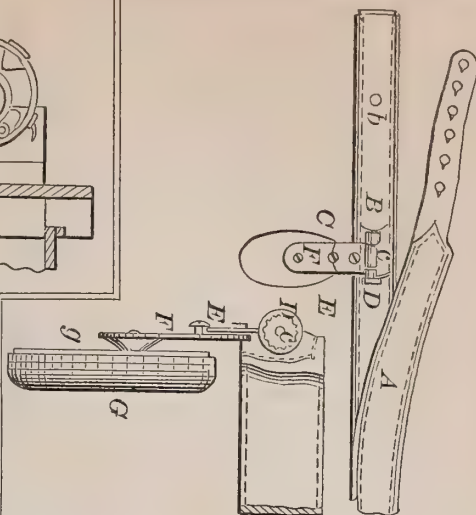


**61982**—J. Austin—*Horse Shoe.***61985**—H. Ball—*Treating Peat.***61983**—G. L. Baker—*Floating Anchor.***61986**—V. Barker—*Mosquito Bar.***61989**—A. Bennett—*Hooks and Eyes.***61988**—Behel & Nelson—*Saw Mill Gauge.***61990**—T. B. Bishop—*Horse Shoe.***61993**—W. Boynton—*Metal Bung.***61987**—J. B. Barnes—*Hydraulic Punching Machine.*

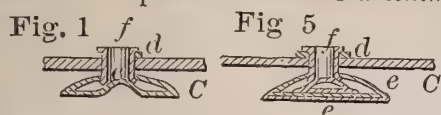
61996—W. Bullock—*Printing Press.*



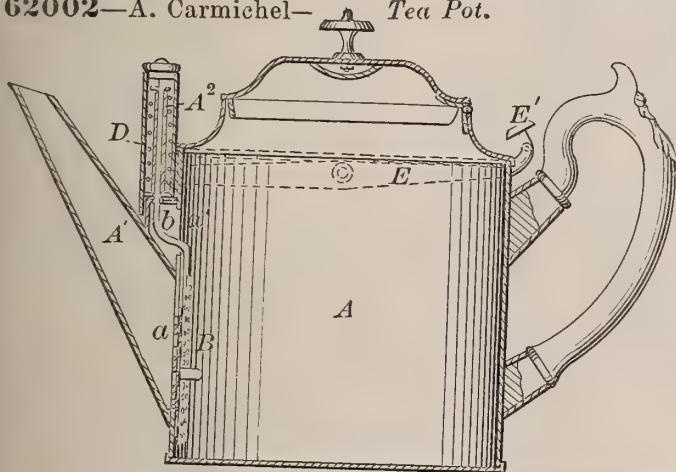
62000—E. Capen—*Truss.*



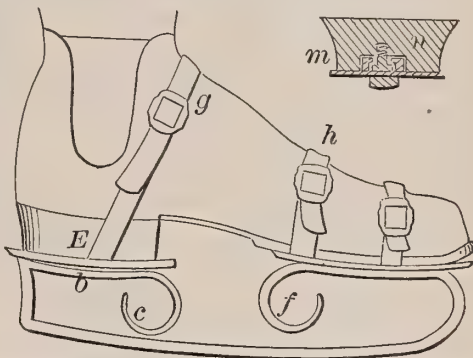
62001—G. J. Capewell—*Button Fastening.*



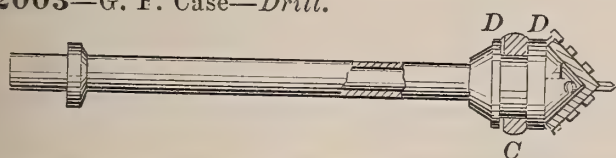
62002—A. Carmichel—*Tea Pot.*



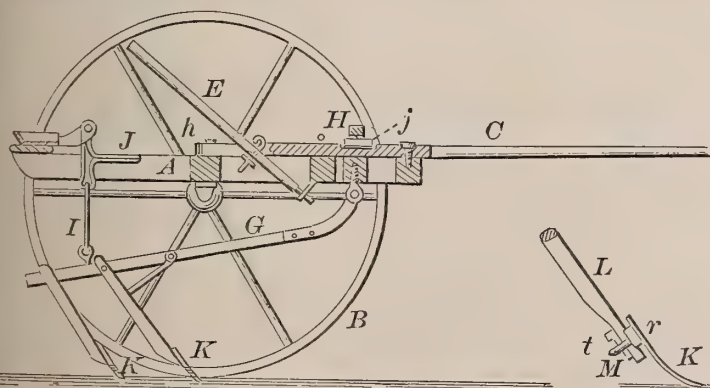
61998—C. Bushman—*Skate.*



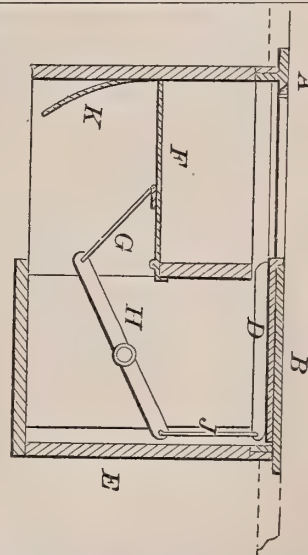
62003—G. F. Case—*Drill.*



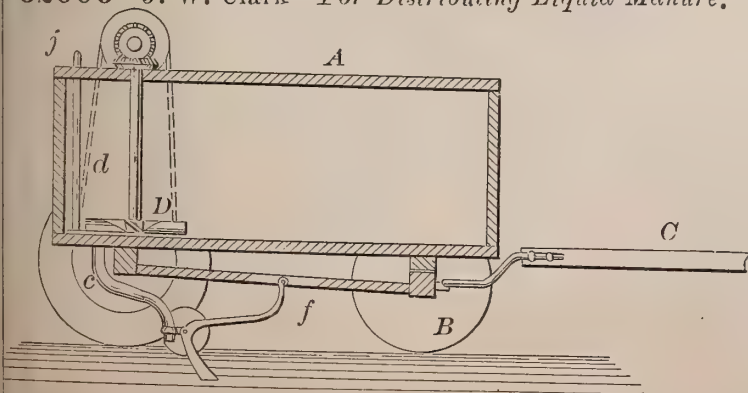
62004—E. Children—*Cultivator.*



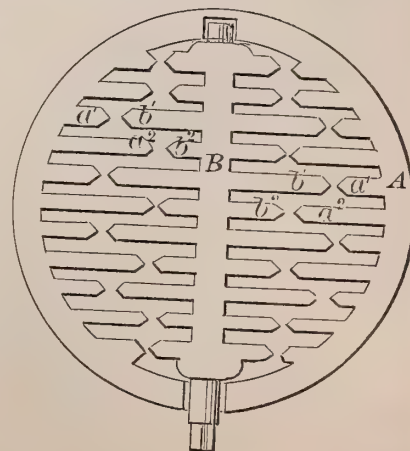
61999—C. Butterfield—*Dust Receptacle.*



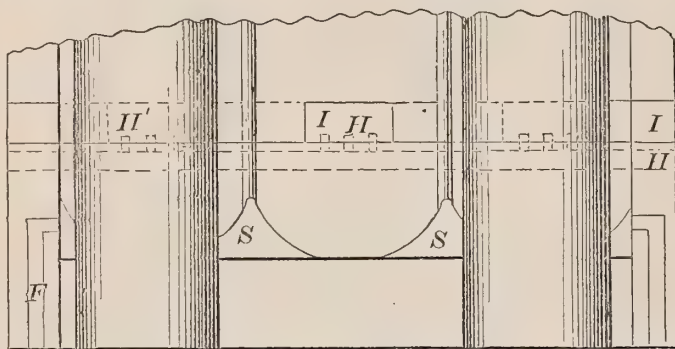
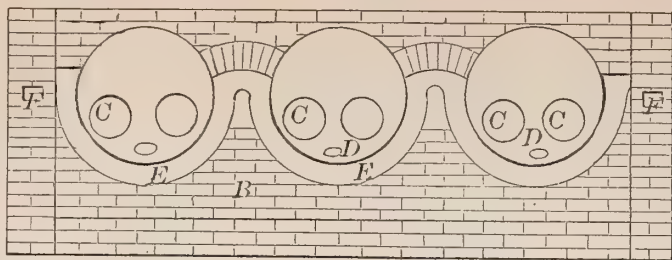
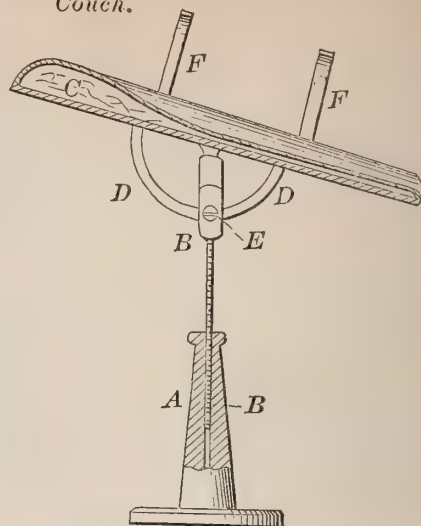
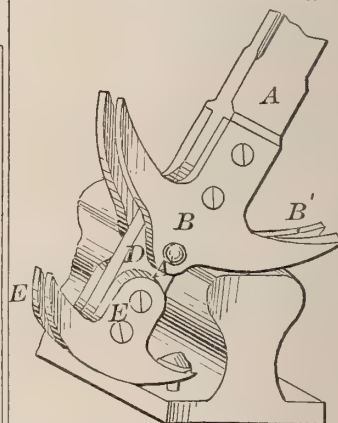
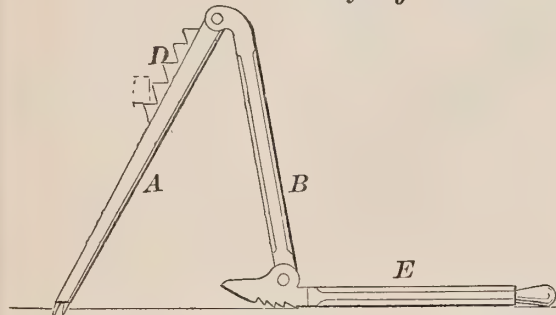
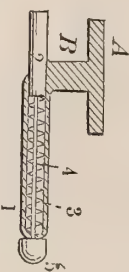
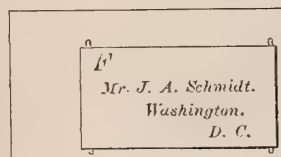
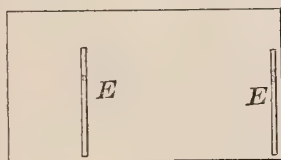
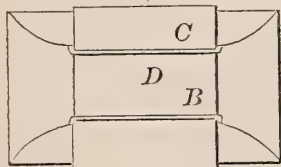
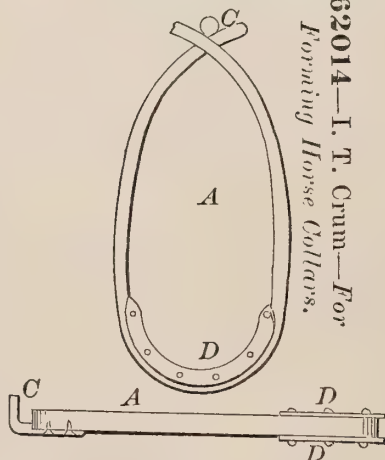
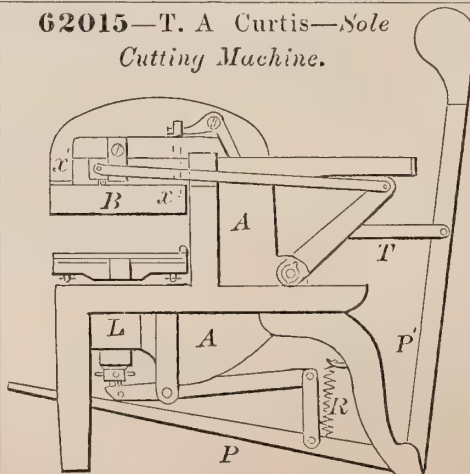
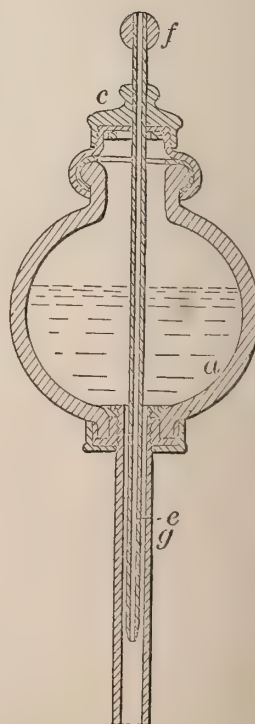
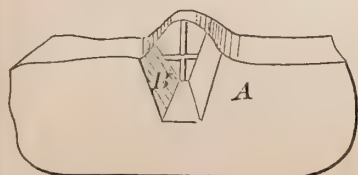
62006—J. W. Clark—*For Distributing Liquid Manure.*



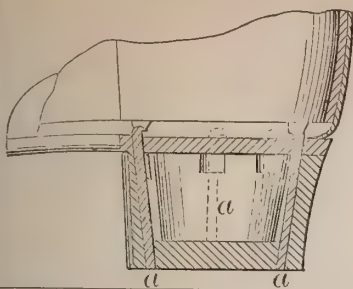
62005—J. S. Clark—*Grate.*



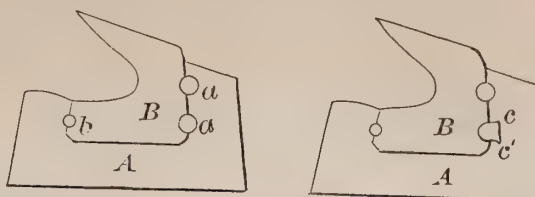


**62007**—T. H. Clark—*Steam Boiler Furnace.***62010**—J. H. Cogshall—*Nursing Couch.***62012**—M. Cornelius—*Railroad Claw Bar.***62009**—C. T. Close—*Lifting Jack.***62008**—B. Clayton—*Sleece Button and Stud.***62011**—C. Conkling—*Letter Envelope.***62014**—I. T. Crum—*For Forming Horse Collars.***62015**—T. A. Curtis—*Sole Cutting Machine.***62013**—J. L. Courier—*Lubricator.***62016**—G. Custer—*Toe Calk for Horse Shoes.*

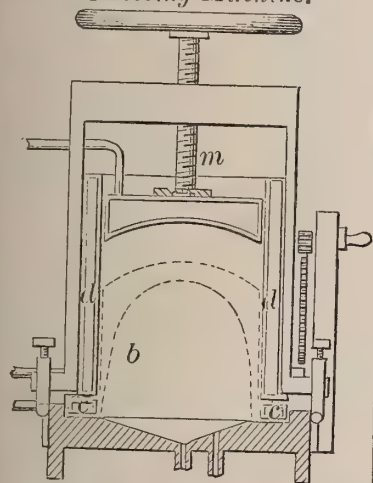
62017—G. W. Davis—*Boot Heel.*



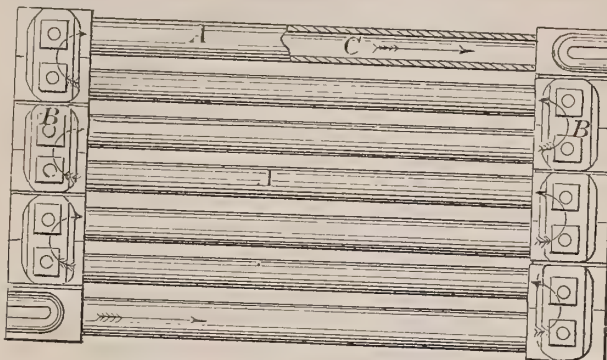
62020—J. E. Emerson—*Saw.*



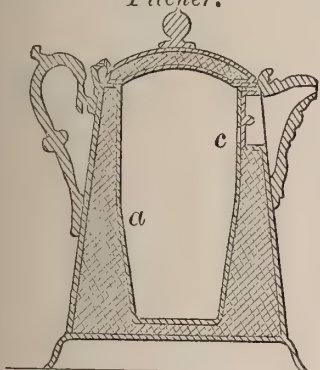
62018—J. De La Mar—*Hat Pressing Machine.*



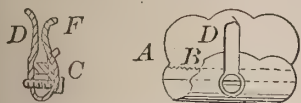
62022—Garvin & Pettibone—*Tubular Grate.*



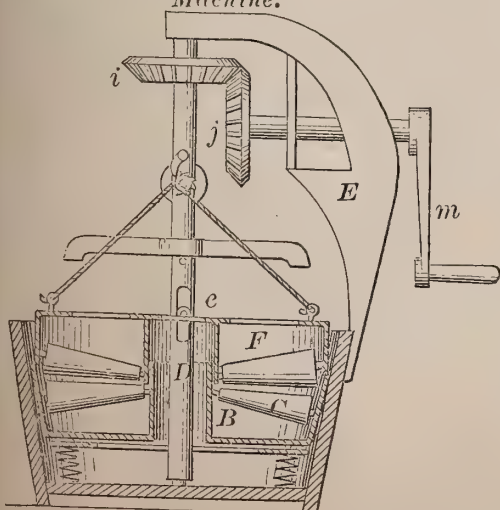
62021—G. A. Eno—*Ice Pitcher.*



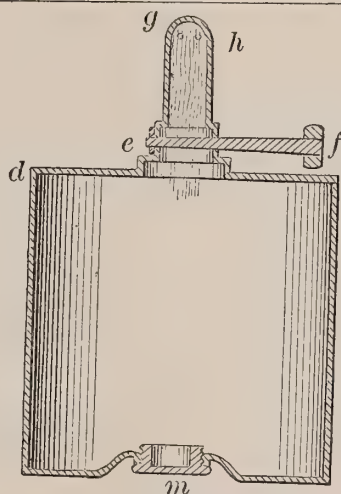
62023—A. W. Gifford—*Scissors Sharpener.*



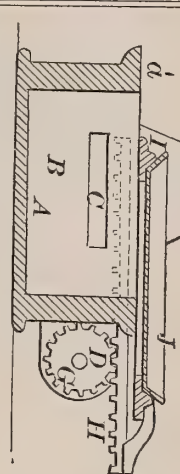
62026—J. S. Gochnauer—*Washing Machine.*



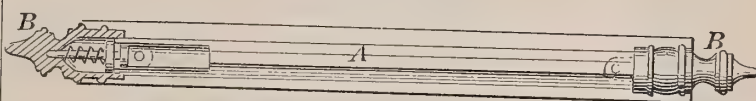
62024—H. Gilbert—*Vaporizing and Burning Gasoline.*



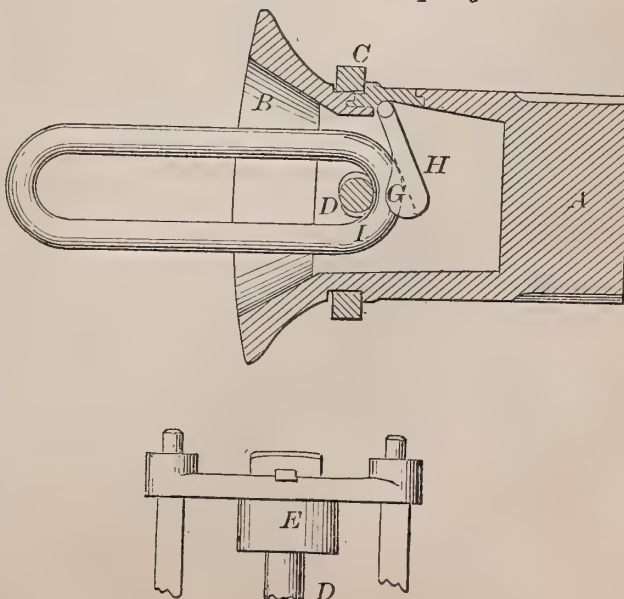
62025—H. C. Gilbert—*Evaporator.*



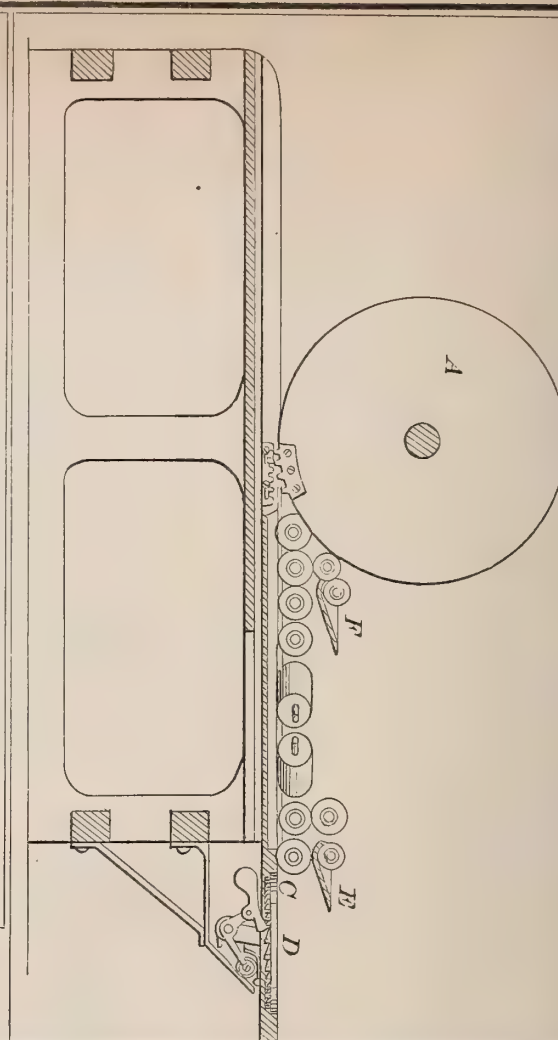
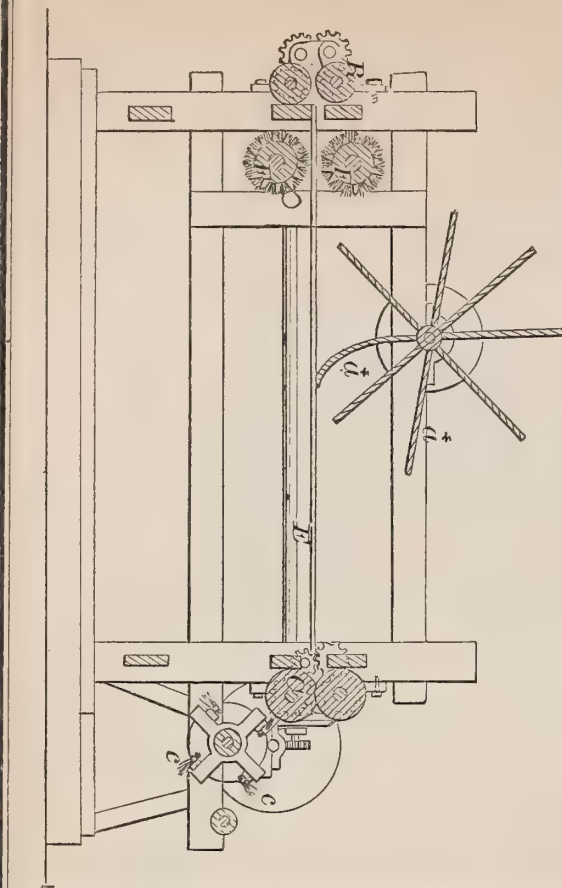
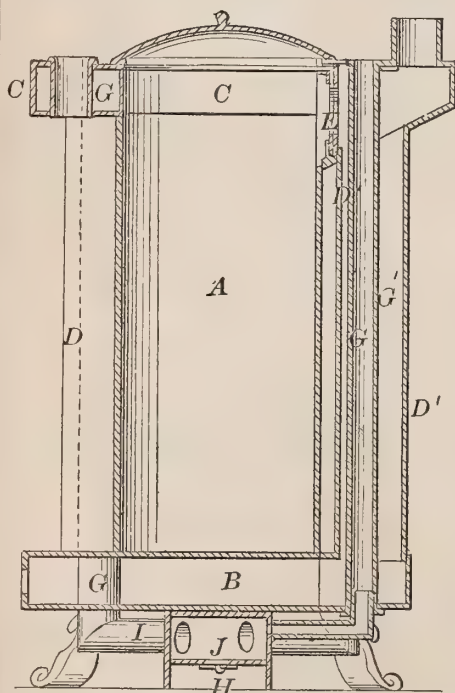
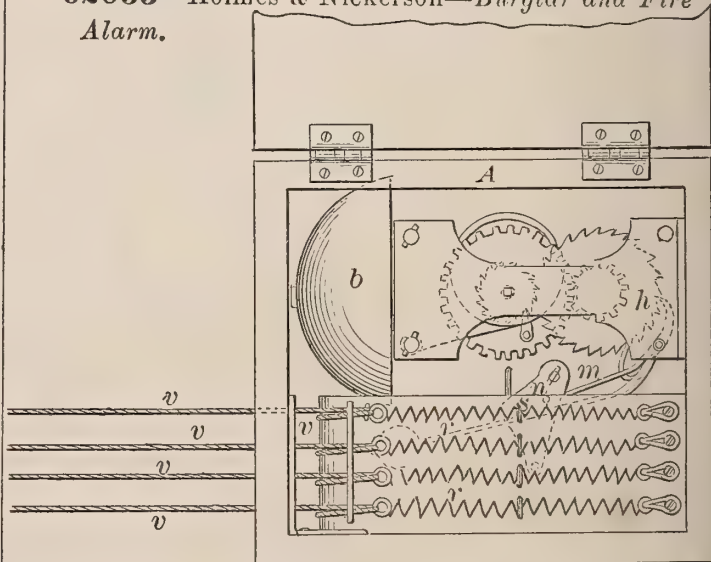
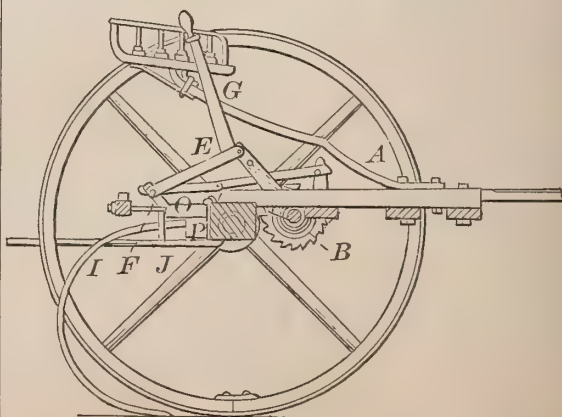
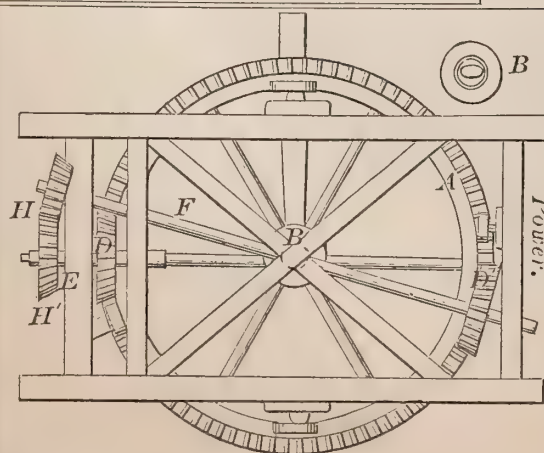
62027—W. B. Gould—*Stair Rod.*



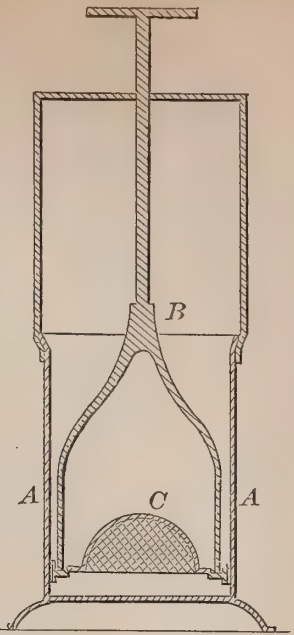
62028—R. W. Green—*Car Coupling.*



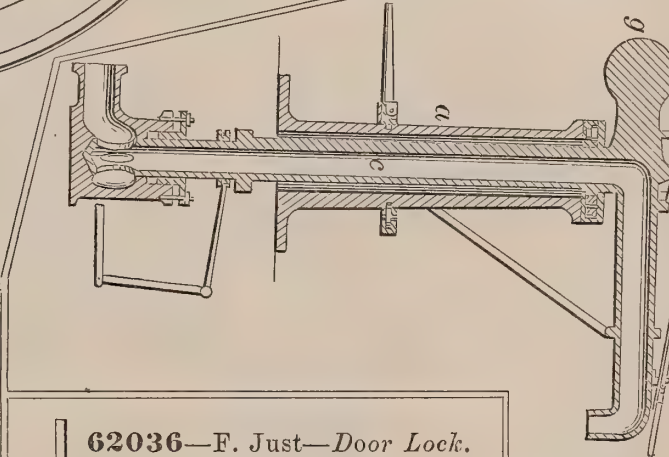


62032—J. Henry—*Printing Press*.62029—W. H. Hankinson—*Carpet Beater and Cleaner*.62031—T. Henney—*Heating Stove*.62033—Holmes & Nickerson—*Burglar and Fire Alarm*.62034—E. Huson—*Horse Rake*.62030—T. Harrison—*Horse Power*.

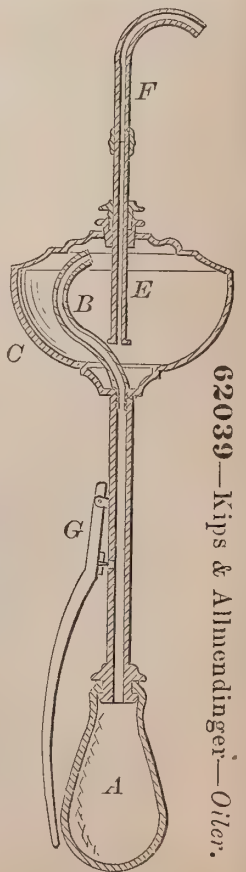
62037—H. Kellogg—*Hat Manufacture.*



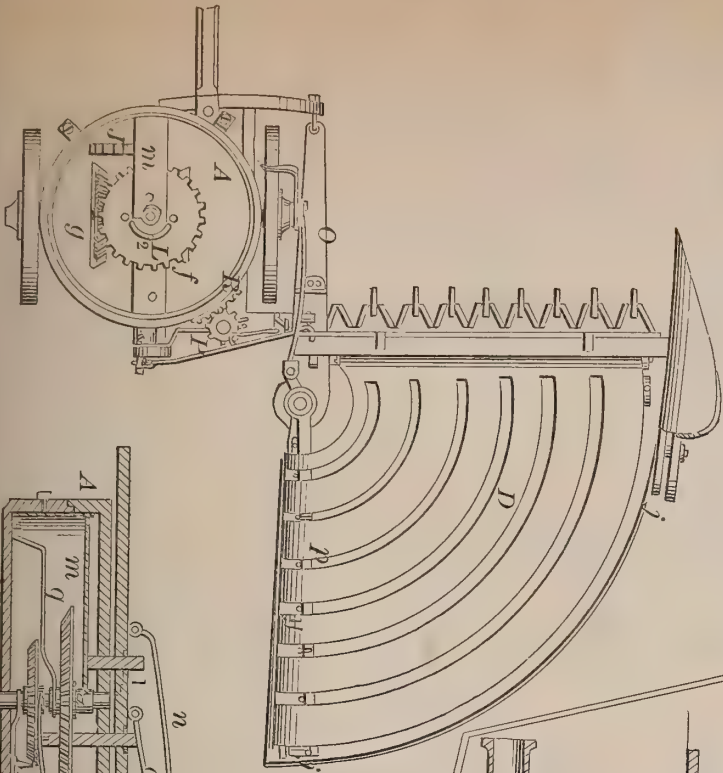
62038—L. Y. Ketcham—*Water Crane for Locomotives.*



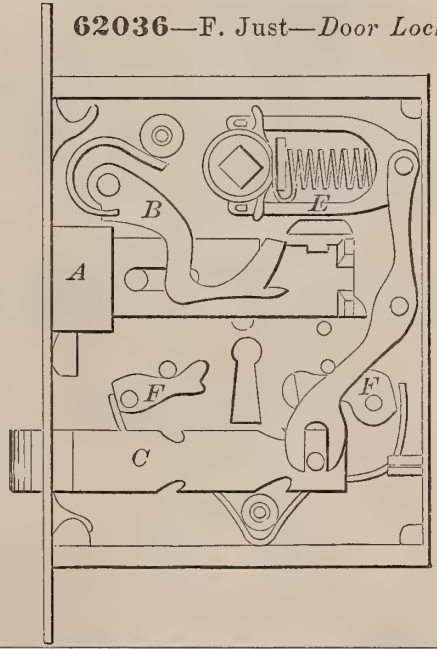
62039—Kips & Allmendinger—*Oilier.*



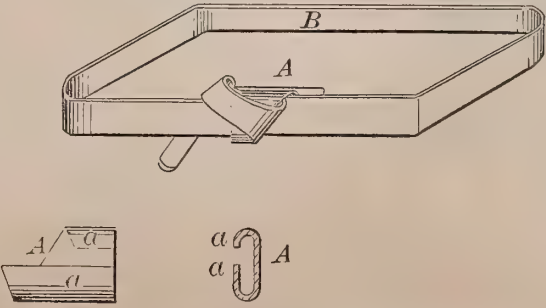
62035—Jones & Fessler—*Harvester Rake.*



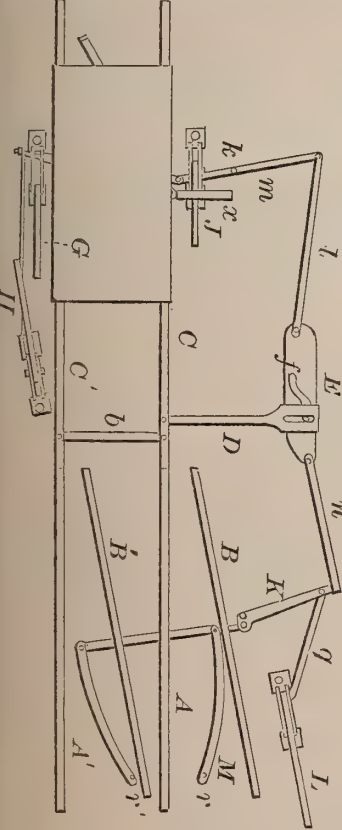
62036—F. Just—*Door Lock.*



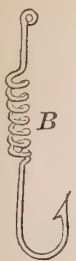
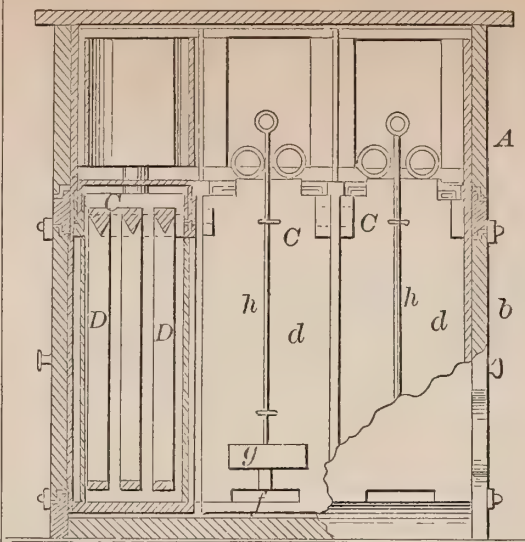
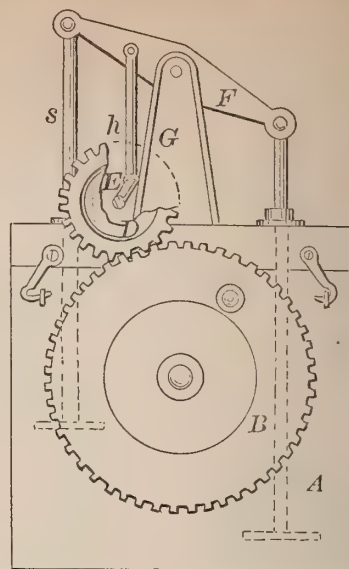
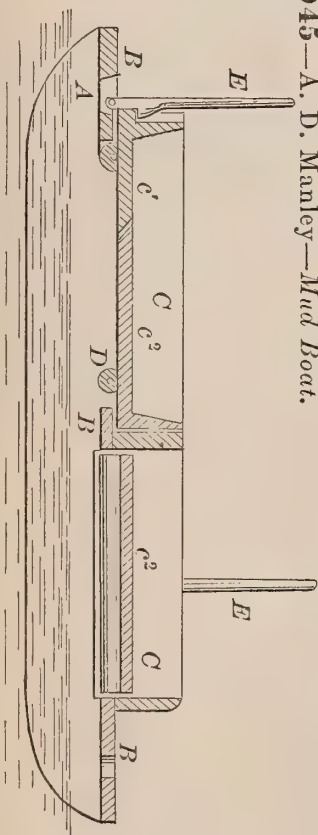
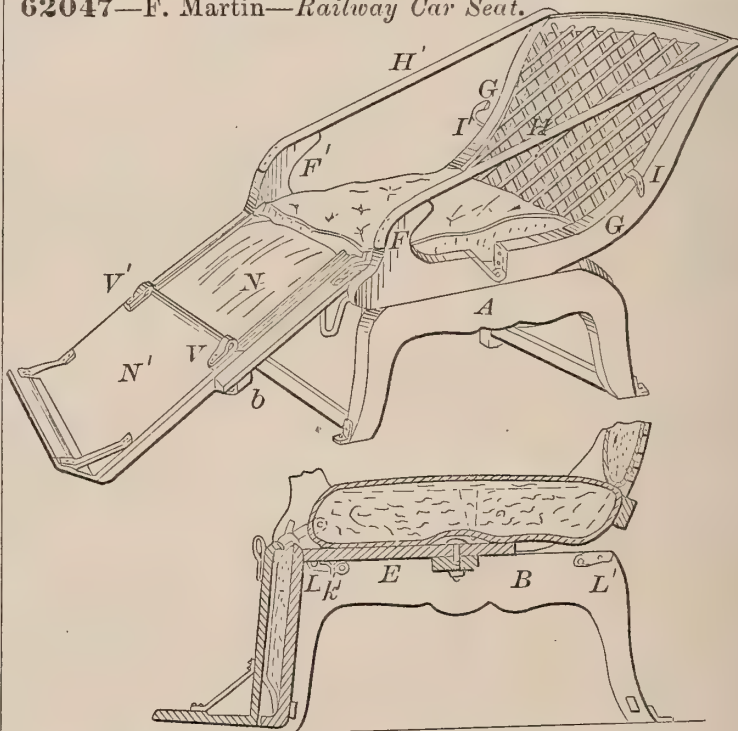
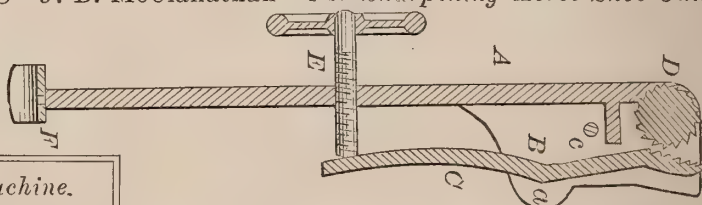
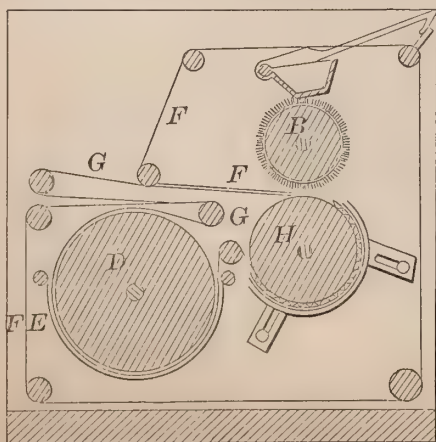
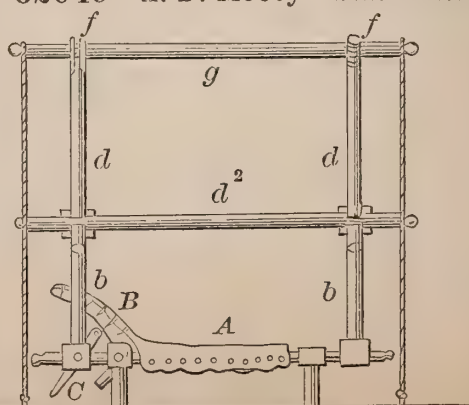
62040—J. Knight—*Cotton Bale Tie.*



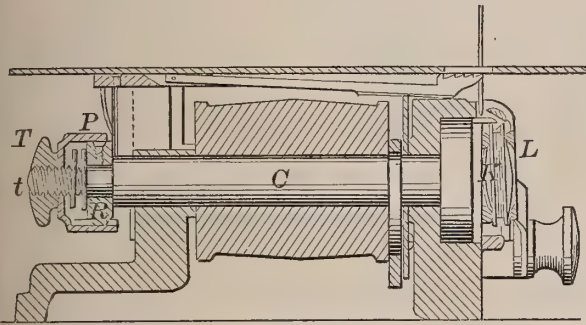
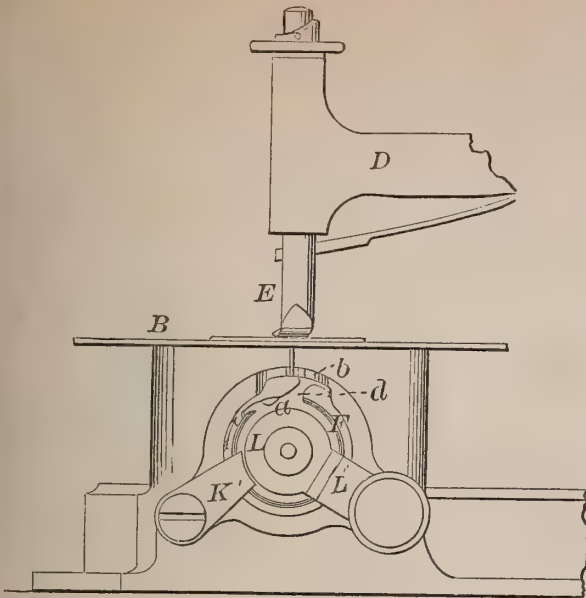
62041—E. B. Lake—*Railway Switch.*



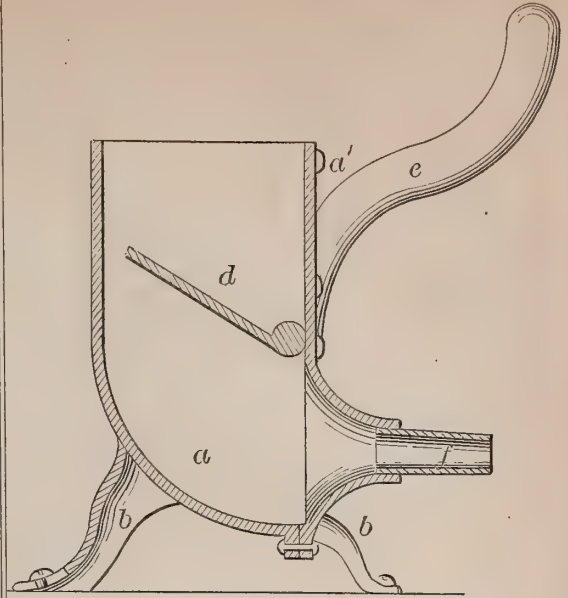


62042—B. Lee, Jr.—*Fish Hook.*62043—C. P. Lloyd—*Beehive.*62046—G. W. Manson—*Churn.*62045—A. D. Manley—*Mud Boat.*62047—F. Martin—*Railway Car Seat.*62048—J. B. McClanathan—*For Sharpening Horse Shoe Calks.*62044—J. K. Lowe—*Bronzing Machine.*62049—A. D. McCoy—*Tent Bedstead.*

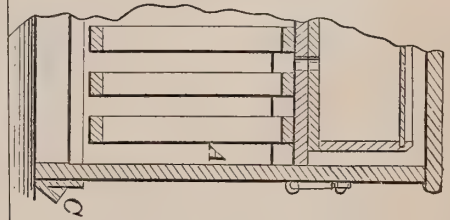
62050—J. S. McCurdy—*Sewing Machine.*



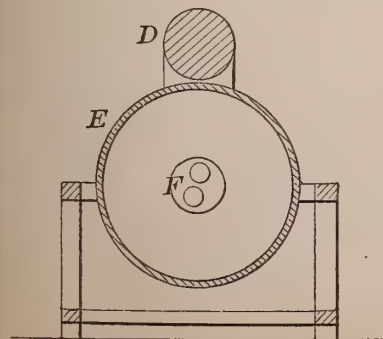
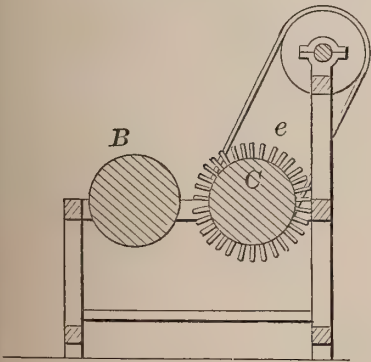
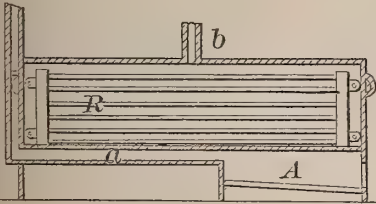
62052—P. Miles—*Sausage Stuffer.*



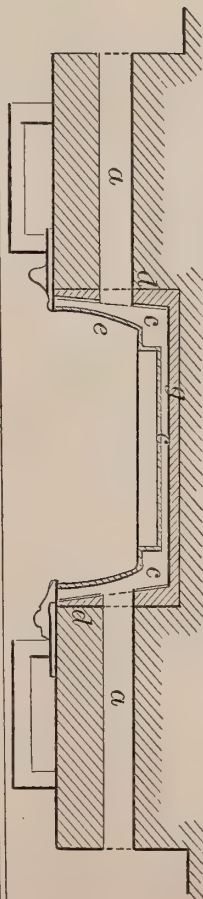
62051—C. McGrew—*Beehive.*



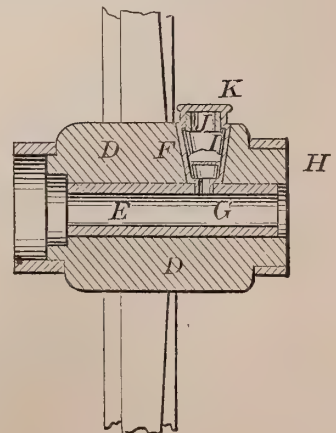
62055—W. Mullee—*Preparing India Rubber.*



62053—W. F. Miller—*Fireplace.*

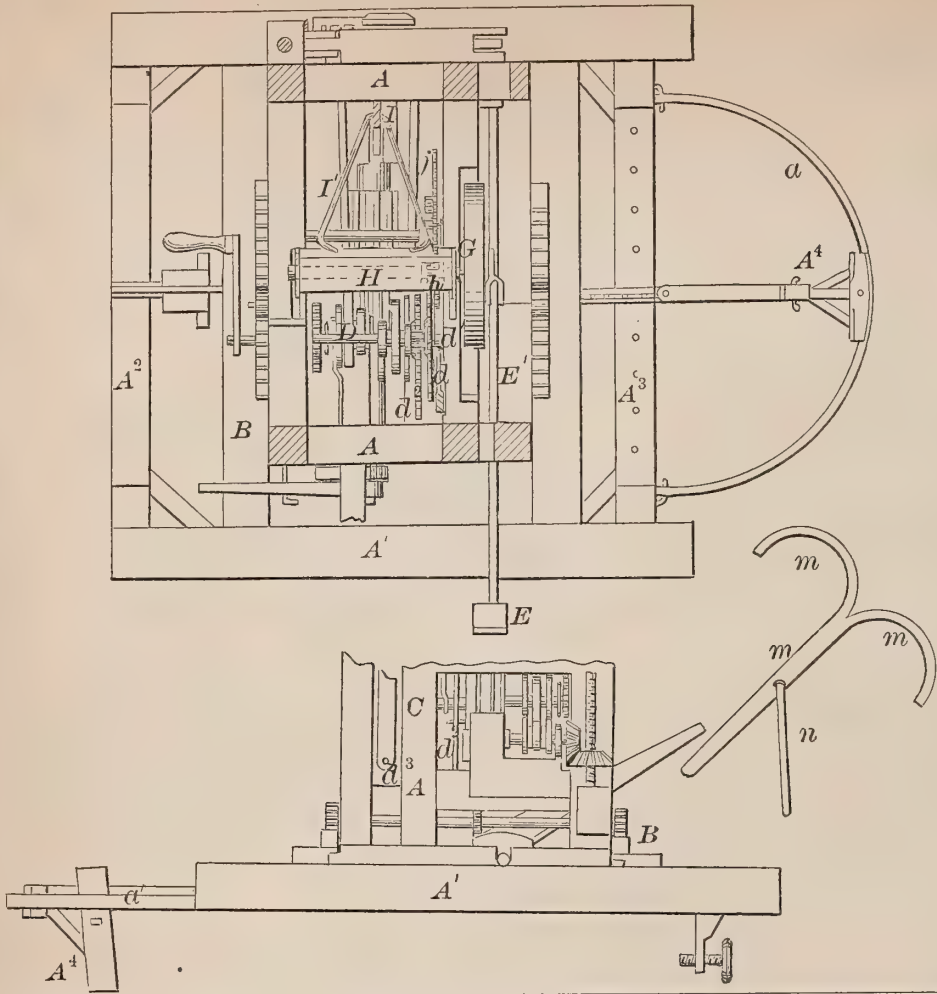


62054—J. F. Morris—*For Lubricating Axles.*

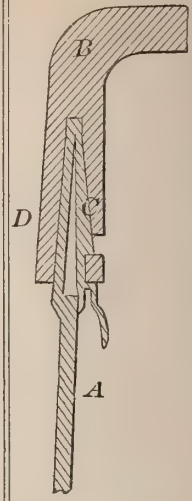




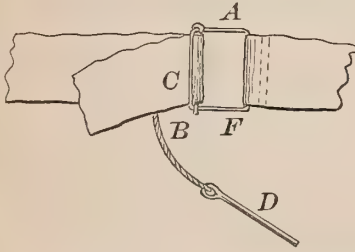
62056—W. M. Murrey—Stone Dressing Machine.



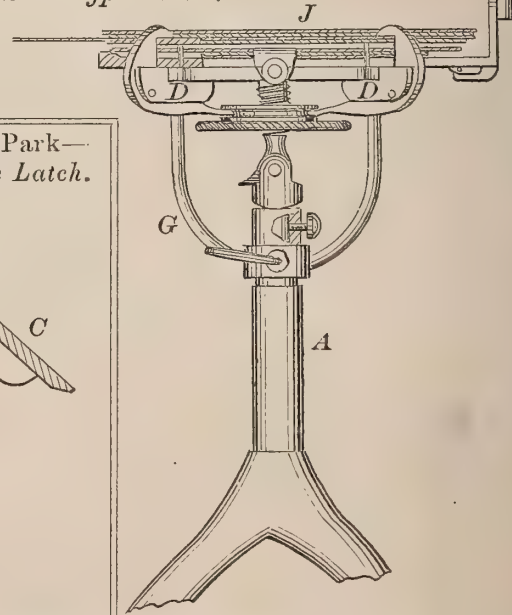
62057—J. H. Nellis—Attaching Bits to Braces.



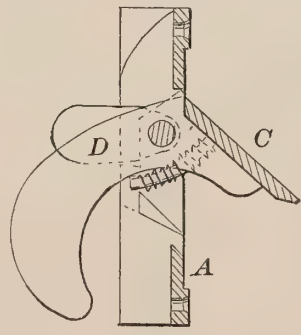
62059—H. Neuman—Buckle.



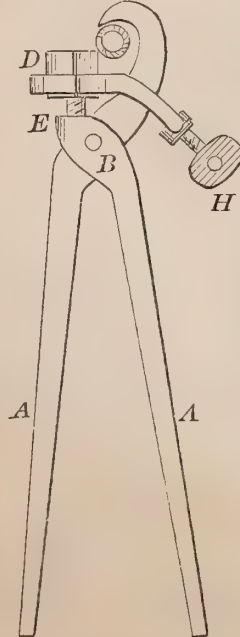
62058—W. Nelson—Papier Mache Matrices for Stereotype Plates.



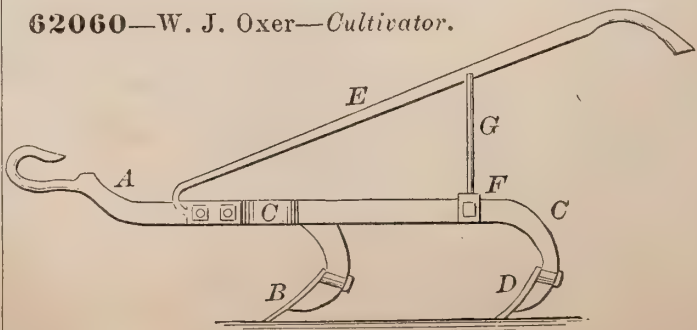
62061—J. A. Park—Door and Gate Latch.



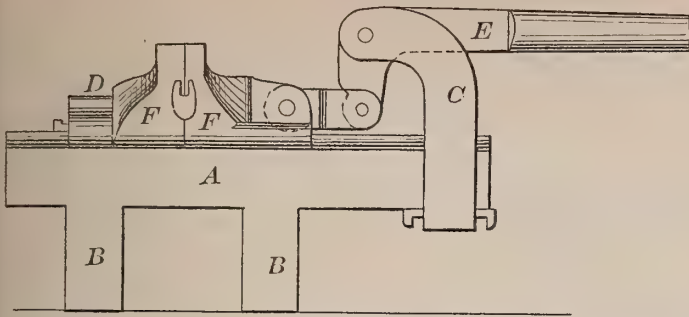
62062—J. Peace—Pipe Tongs and Cutter.



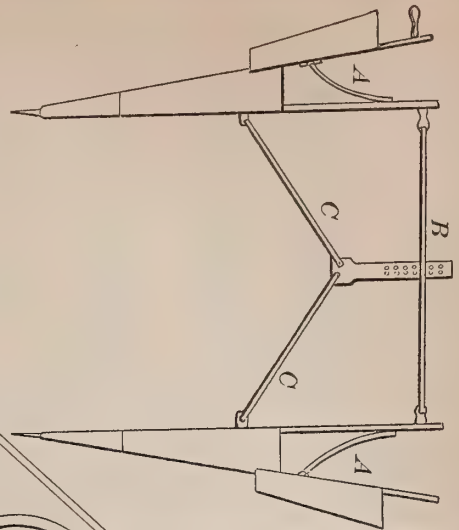
62060—W. J. Oxer—Cultivator.



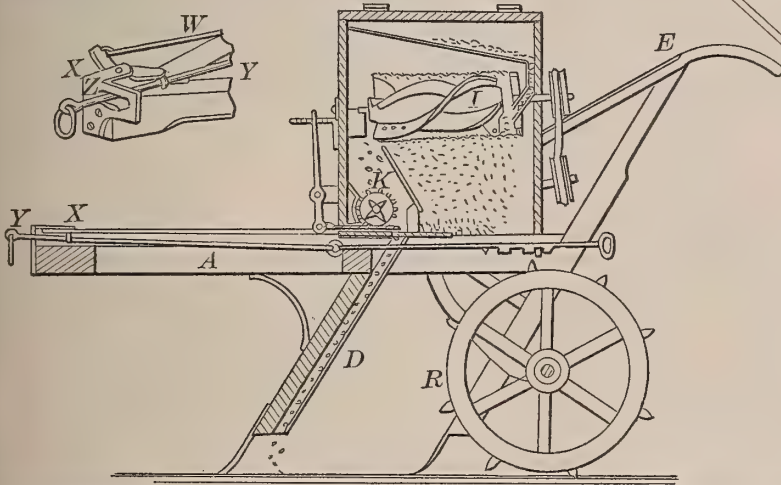
**62063**—J. Peace—*Skelp Bending Machine.*



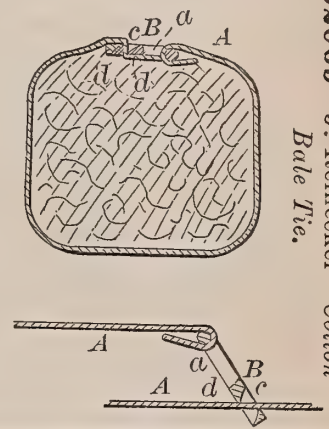
**62067**—J. M. Reeds—*Corn Planter.*



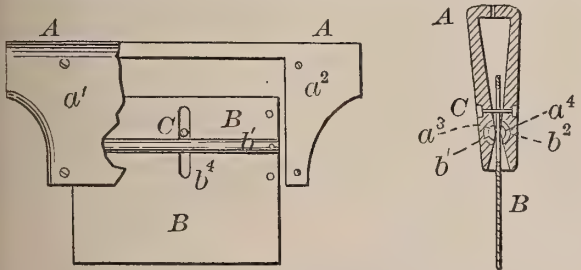
**62066**—H. Pulse—*Grain Drill.*



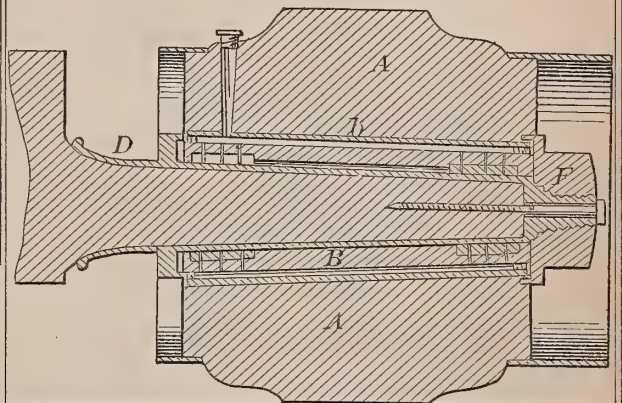
**62069**—J. Reinecker—*Cotton Bale Tie.*



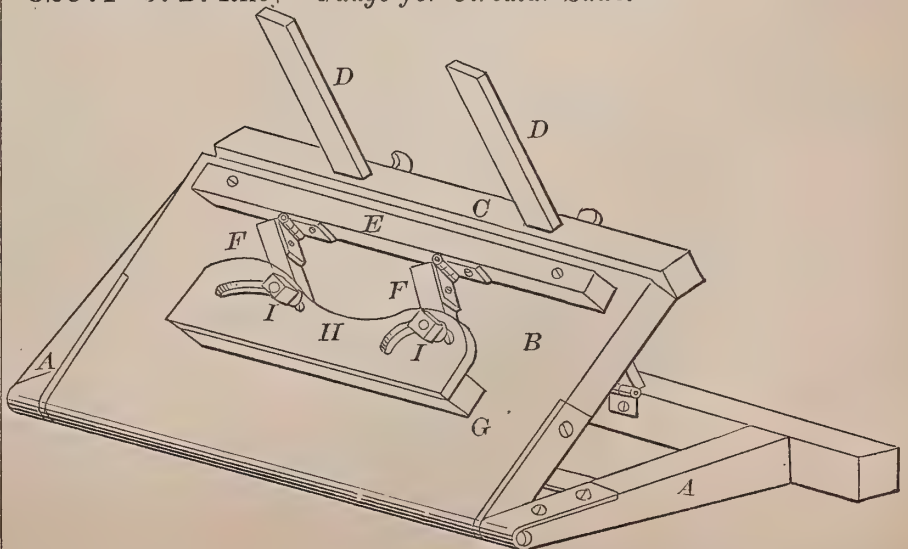
**62064**—Peters & Pauly—*Currier's Slicker.*



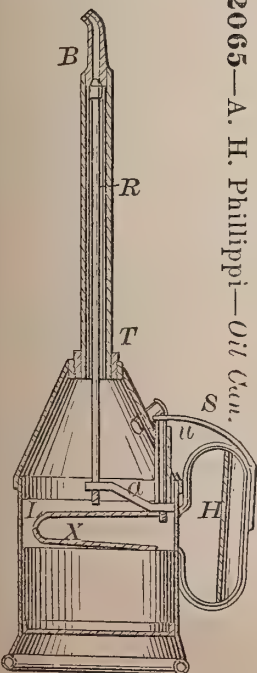
**62068**—J. Reilly—*Axle Box.*



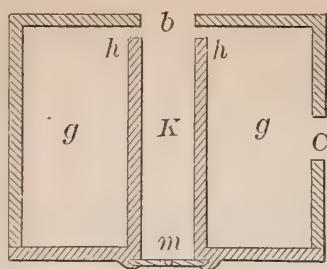
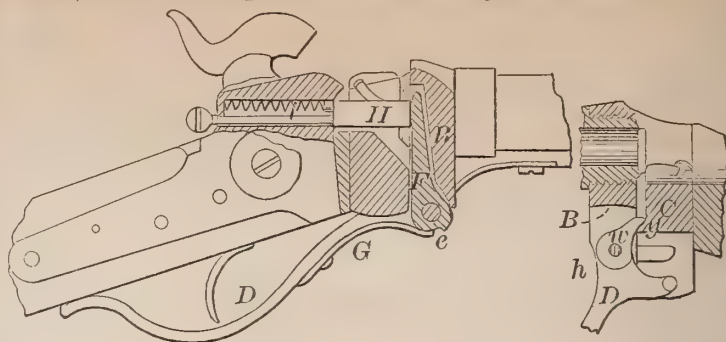
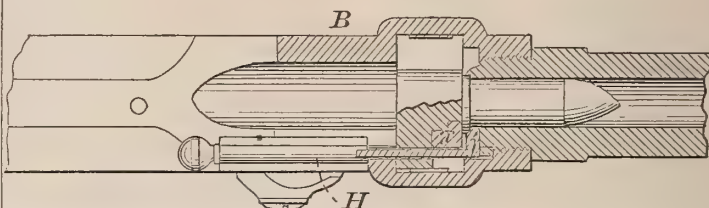
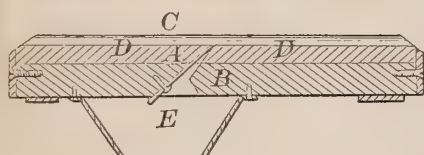
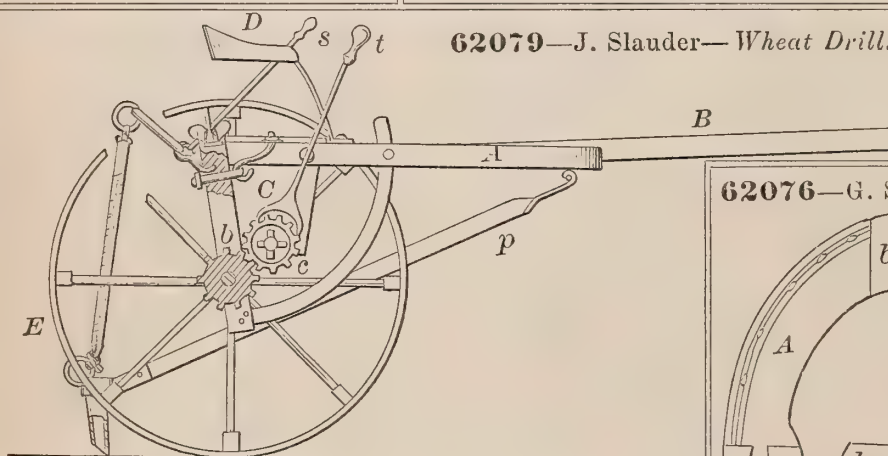
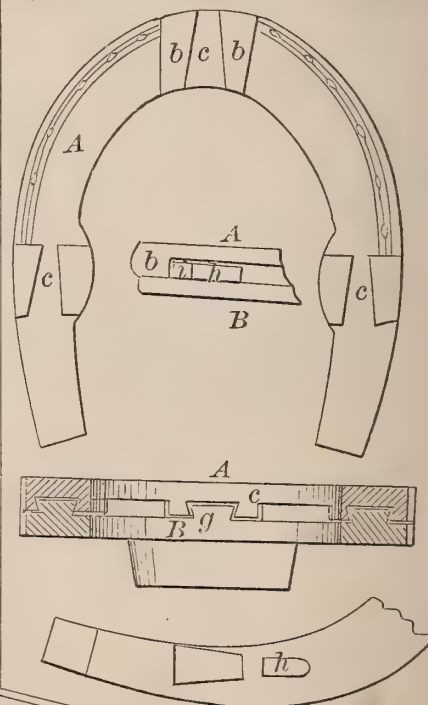
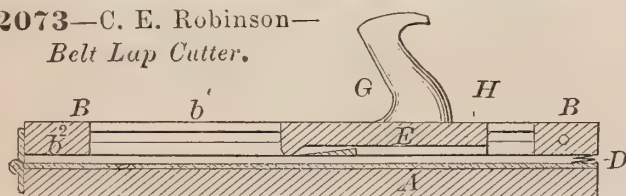
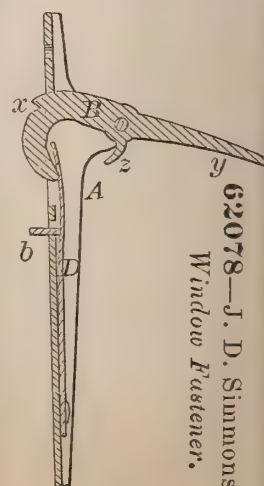
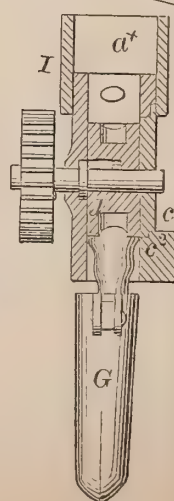
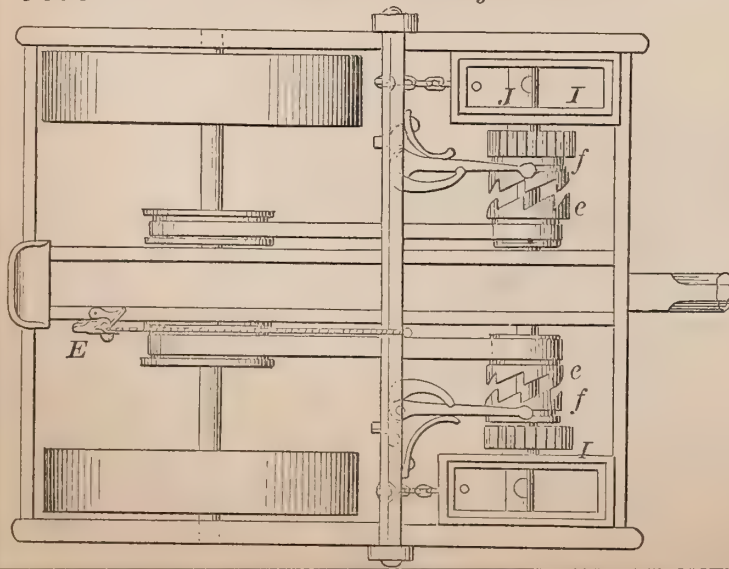
**62071**—J. D. Riley—*Gauge for Circular Saws.*



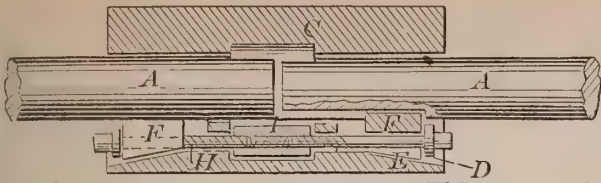
**62065**—A. H. Philippi—*Oil Can.*



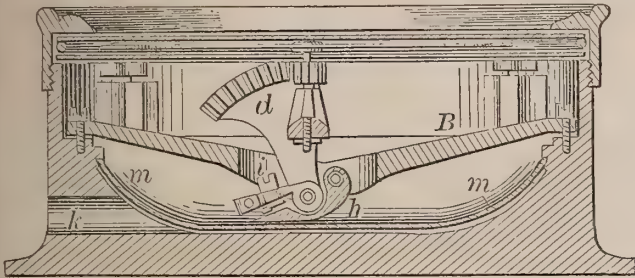


**62072**—W. E. Risher—*Forge*.**62077**—C Sharps—*Breech-Loading Fire Arm*.**62075**—J. Serrill—*Ice Planer*.**62079**—J. Slauder—*Wheat Drill*.**62076**—G. Sewell—*Horse Shoe*.**62073**—C. E. Robinson—*Belt Lap Cutter*.**62080**—Smith & Thurston—*Seeding Machine*.**62078**—J. D. Simmons—*Window Fastener*.

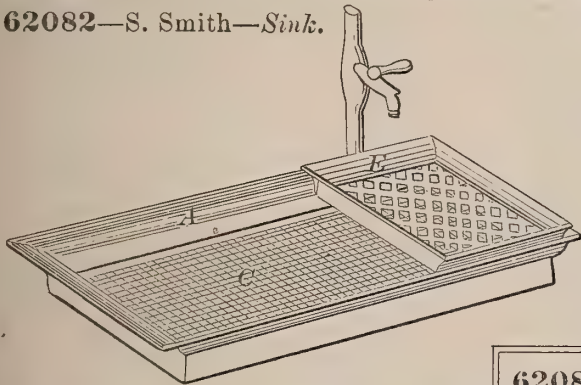
62081—H. K. Smith—*Shaft Coupling.*



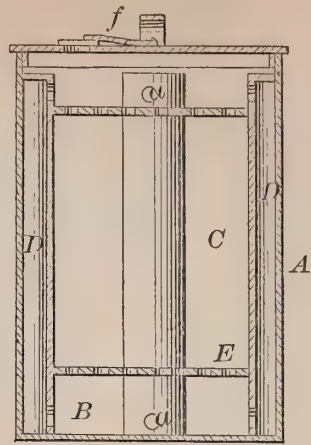
62083—W. Stamp—*Steam Gauge.*



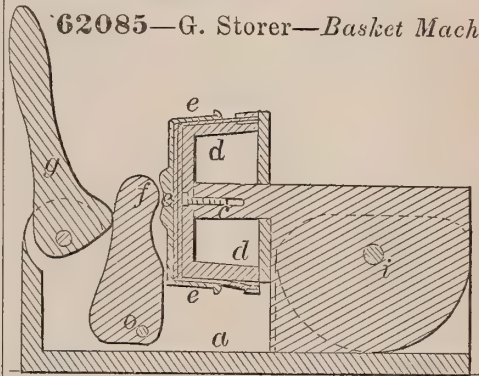
62082—S. Smith—*Sink.*



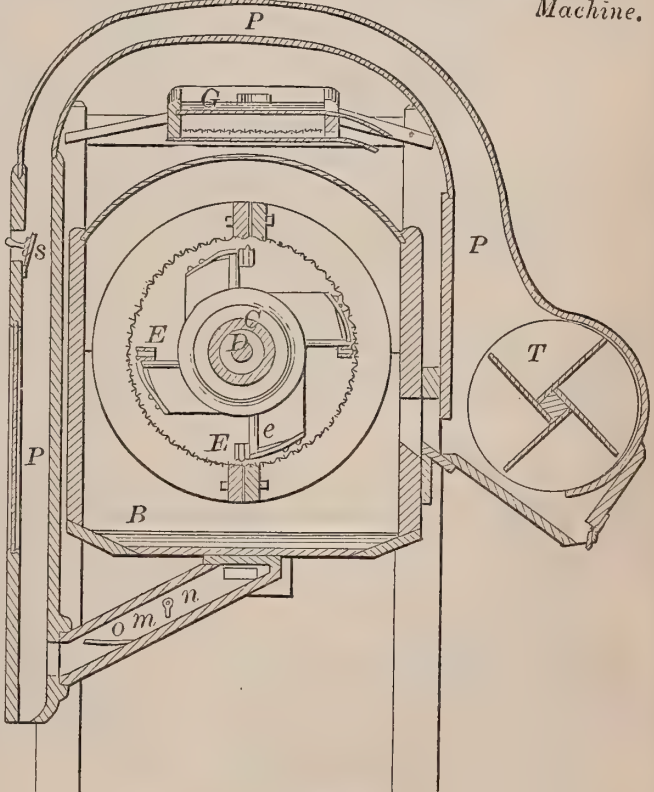
62084—M. W. Staples—*Wash Boiler.*



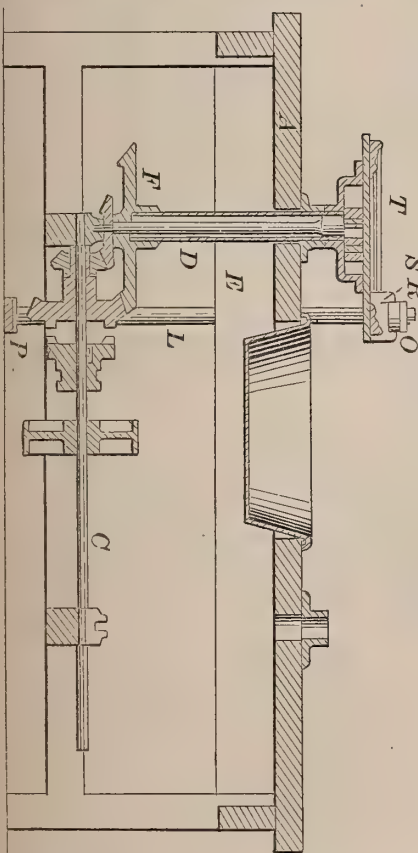
62085—G. Storer—*Basket Machine.*



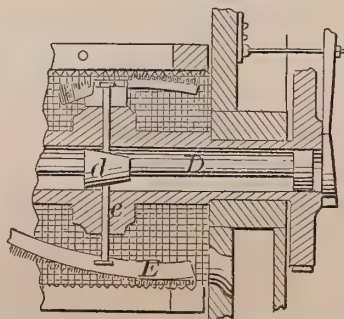
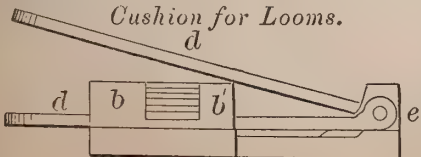
62088—Tickler, Marshall & Marshall—*Smut Machine.*



62086—J. E. Sweet—*For Making Oval Picture Frames.*

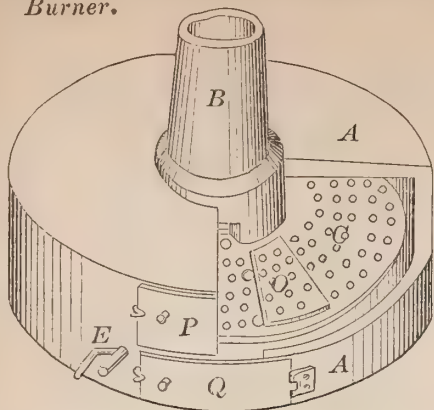


62087—W. J. Thorn—*Picker Cushion for Looms.*

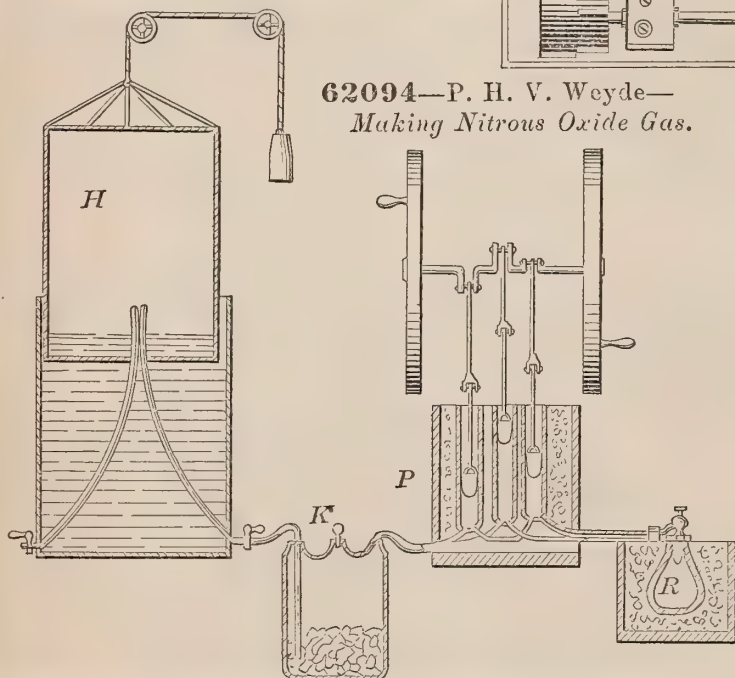




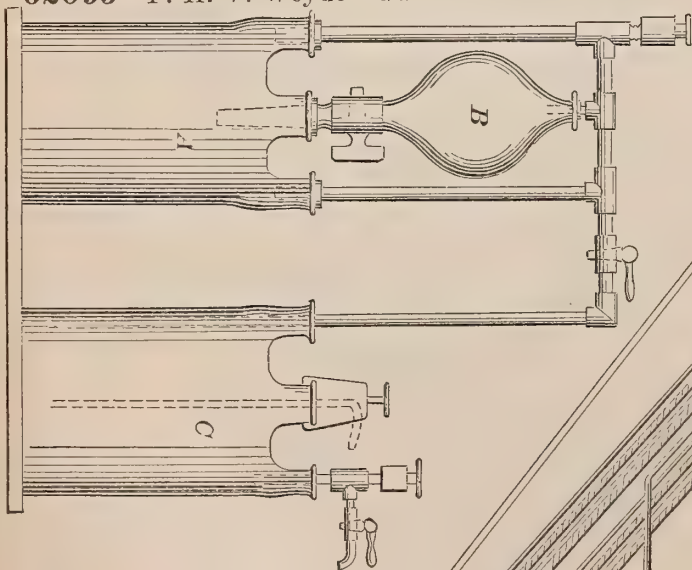
**62089**—W. H. Towers—*Brick Burner.*



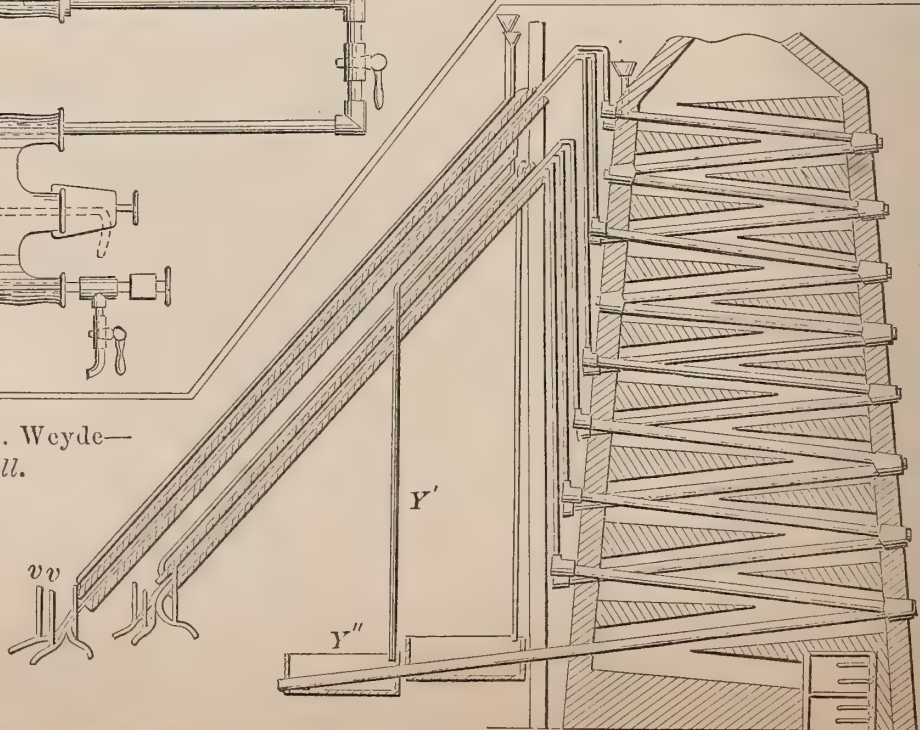
**62094**—P. H. V. Weyde—*Making Nitrous Oxide Gas.*



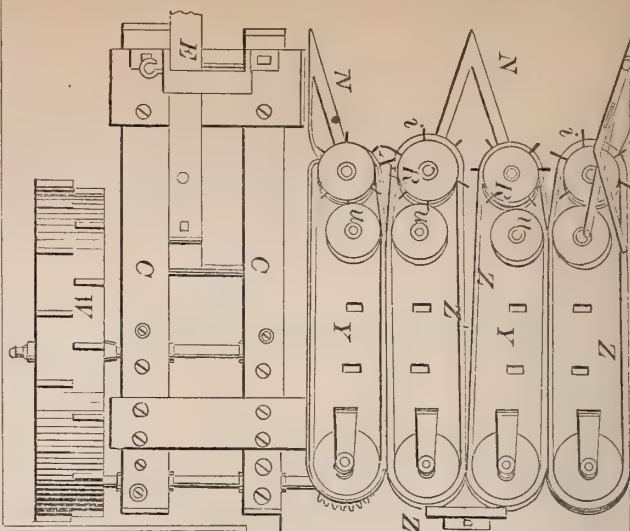
**62095**—P. H. V. Weyde—*Gas Generator.*



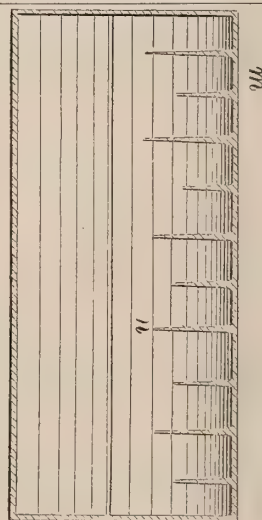
**62096**—P. H. V. Weyde—*Tubular Still.*



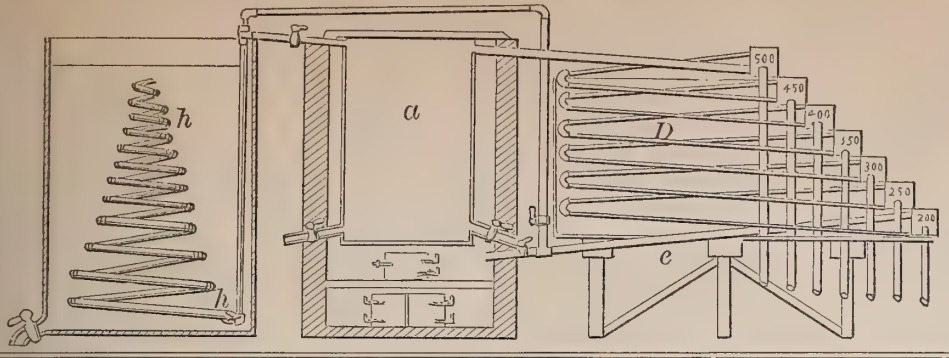
**62090**—S. W. Tyler—*Flax Pulling Machine.*



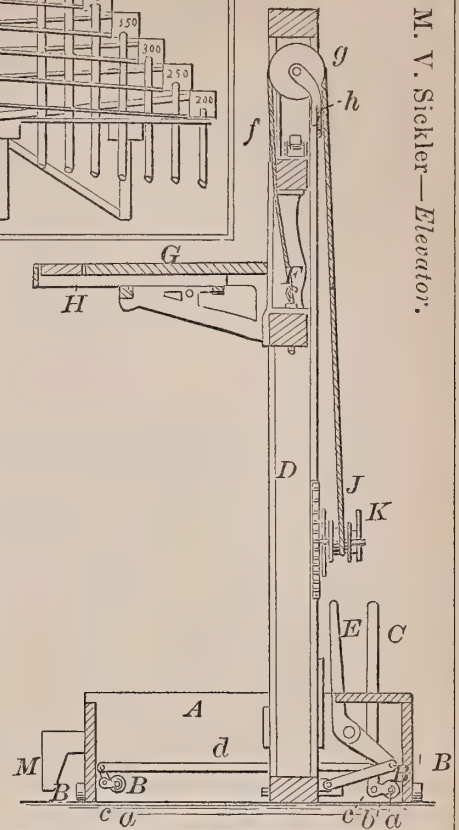
**62093**—P. H. V. Weyde—*Preventing Incrustation of Steam Boilers.*



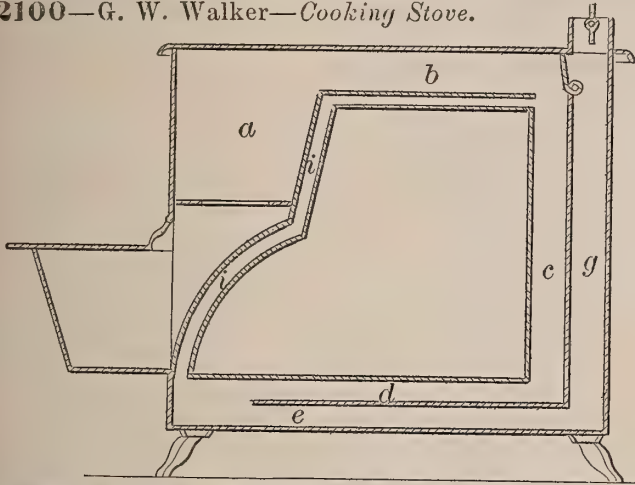
62097—P. H. V. Weyde—*White Lead Manufacture.*



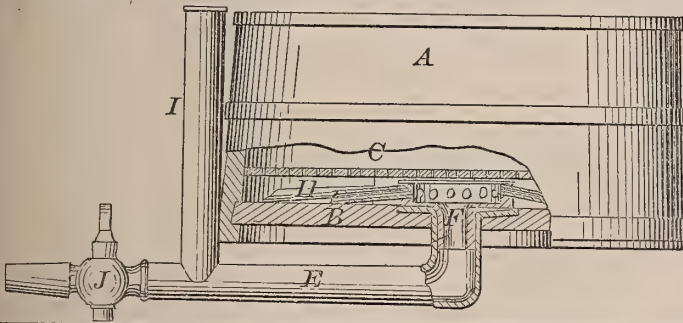
62098—R. M. V. Sickler—*Elevator.*



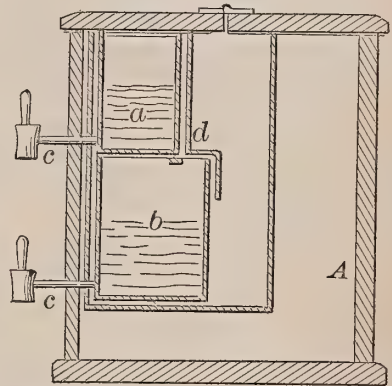
62100—G. W. Walker—*Cooking Stove.*



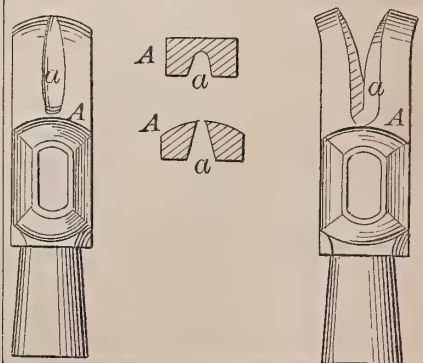
62101—J. Walker—*Brewer's Mash Tun.*



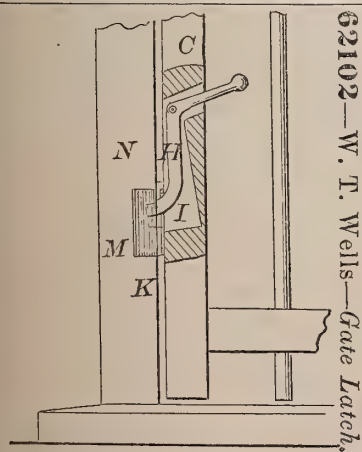
62099—A. V. Winkle—*Soda Water Stand.*



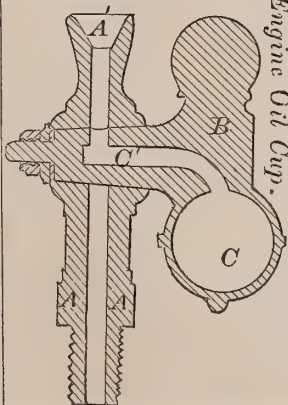
62105—J. Yerkes—*Hammer.*



62106—A. Allbright—*Covering Harness Trimmings with Vulcanized Rubber.*

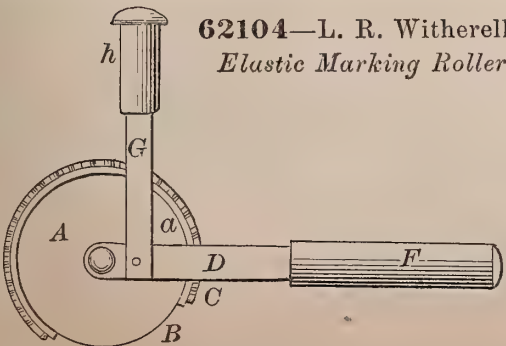


62102—W. T. Wells—*Gate Latch.*



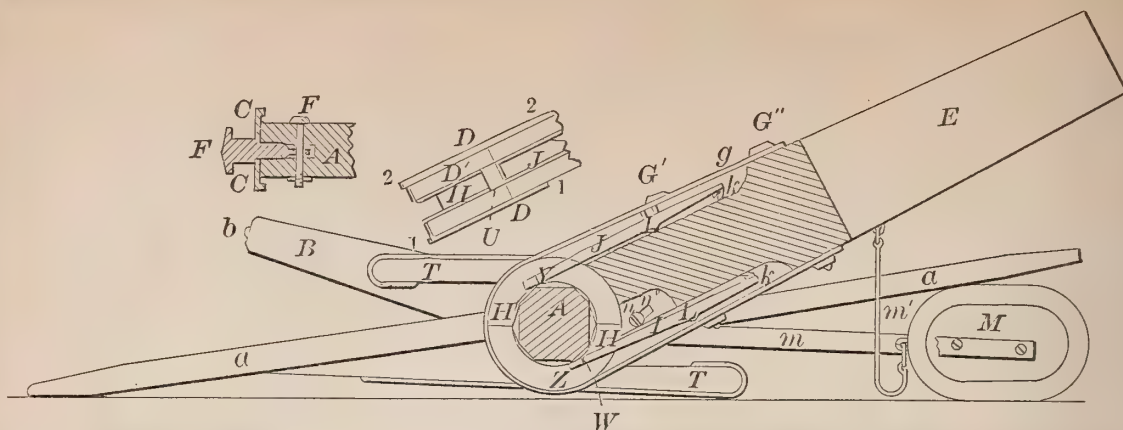
62103—J. Wildhack—*Steam Engine Oil Cup.*

62104—L. R. Witherell—*Elastic Marking Roller.*

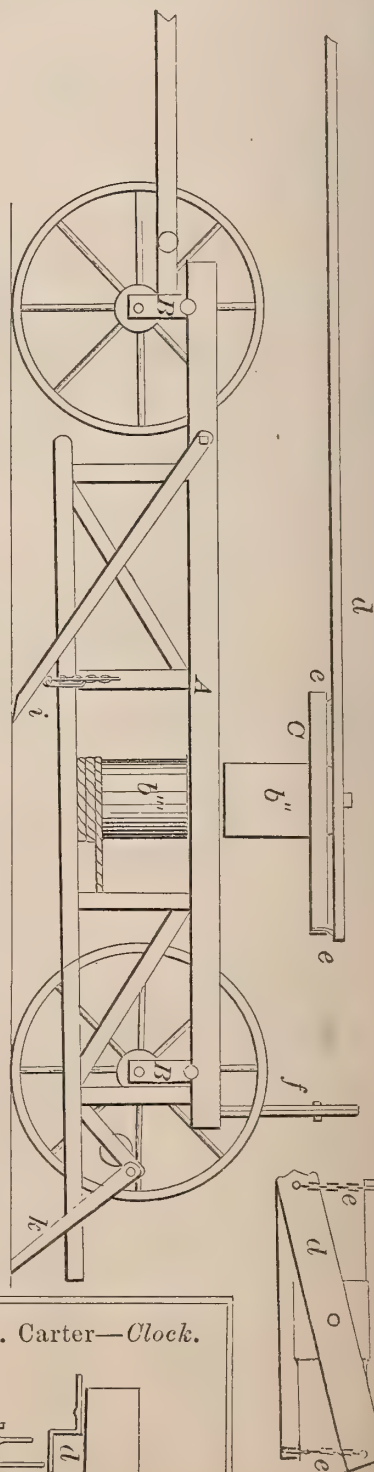




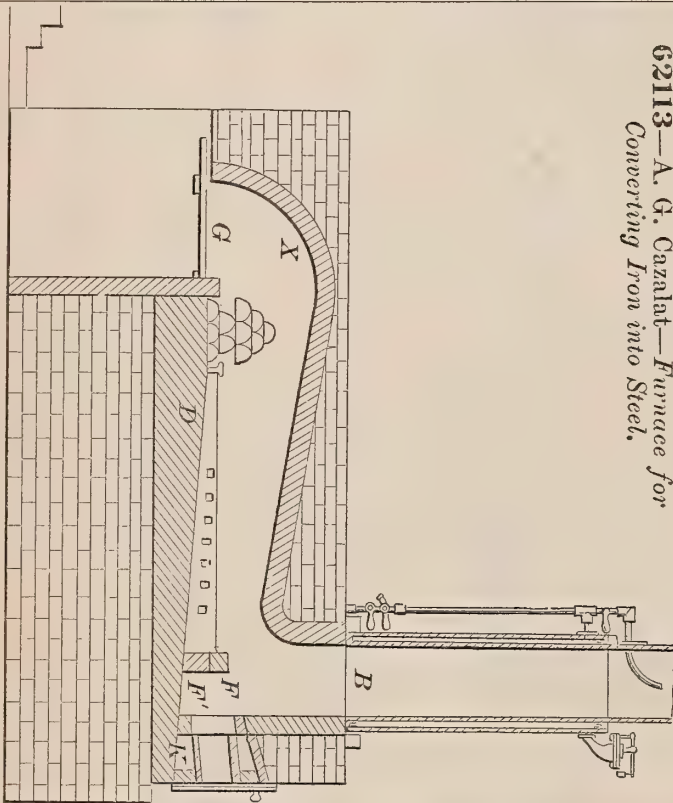
62107—S. E. Ament—*Horse Rake.*



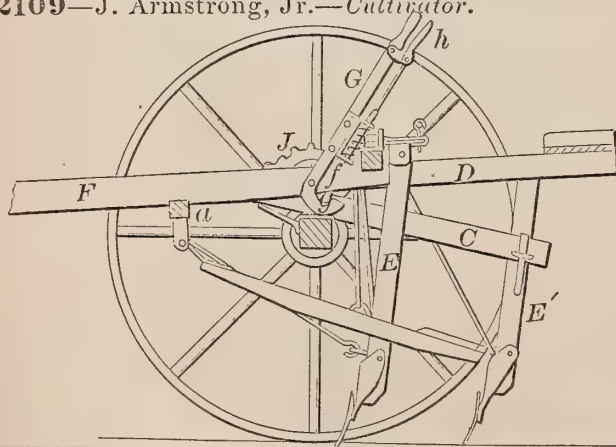
62116—J. Creamer—*Mole Plow.*



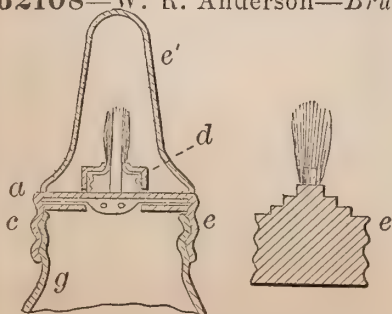
**62113—A.** G. Cazalat—*Furnace for Converting Iron into Steel.*



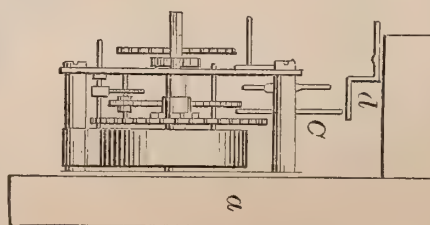
62109—J. Armstrong, Jr.—*Cultivator*.



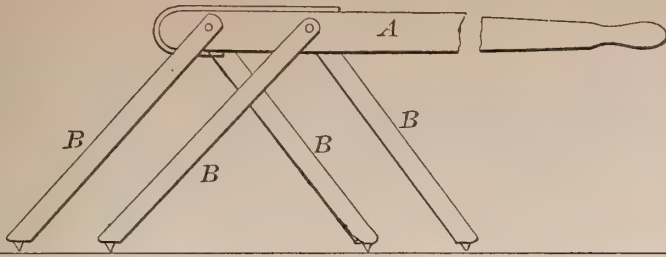
62108—W. R. Anderson—*Brush.*



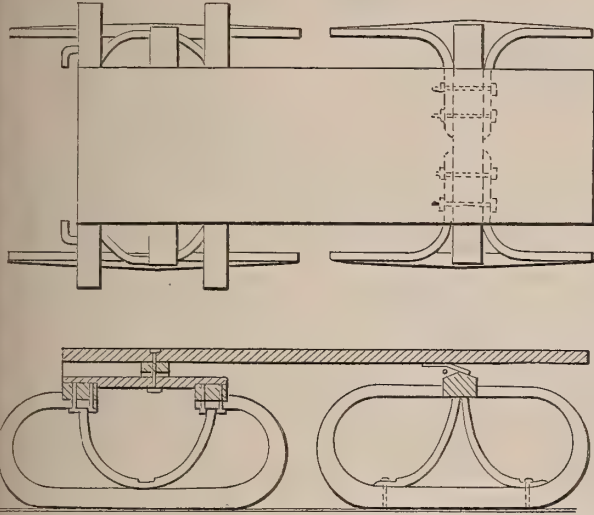
62112—L. F. & W. W. Carter—*Clock.*



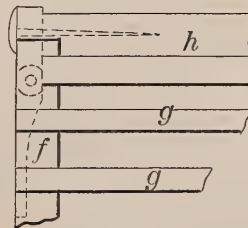
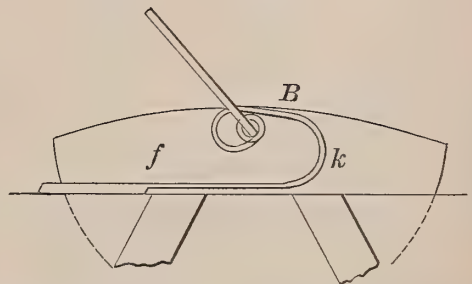
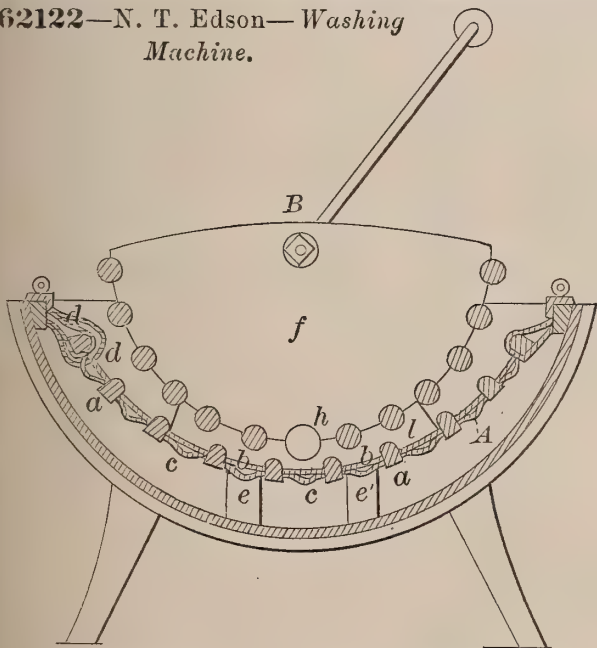
62117—A. M. Culver—*Lifting Jack.*



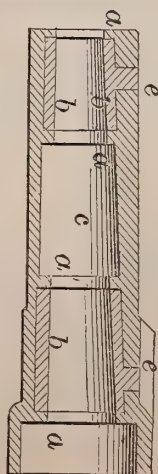
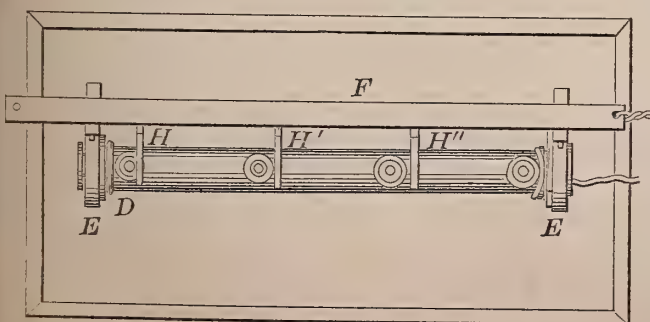
62119—A. E. Doty—*Sleigh.*



62122—N. T. Edson—*Washing Machine.*

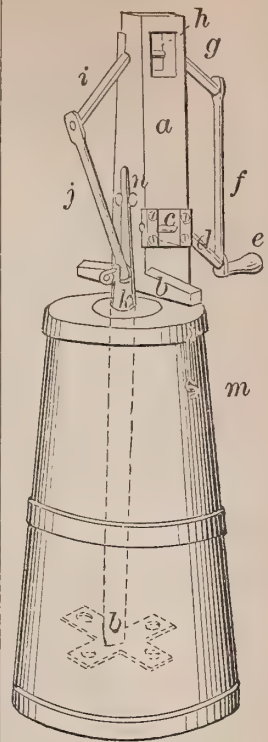


62125—S. Gardner, Jr.—*Lighting Gas by Electricity.*

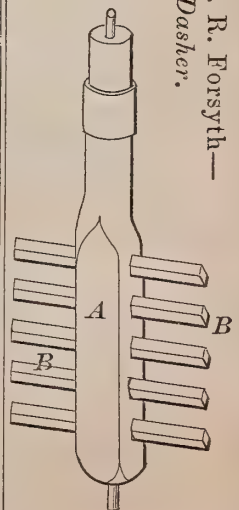


62126—C. F. Gillette—*Axle Box.*

62121—B. R. Eaton—*Churn.*

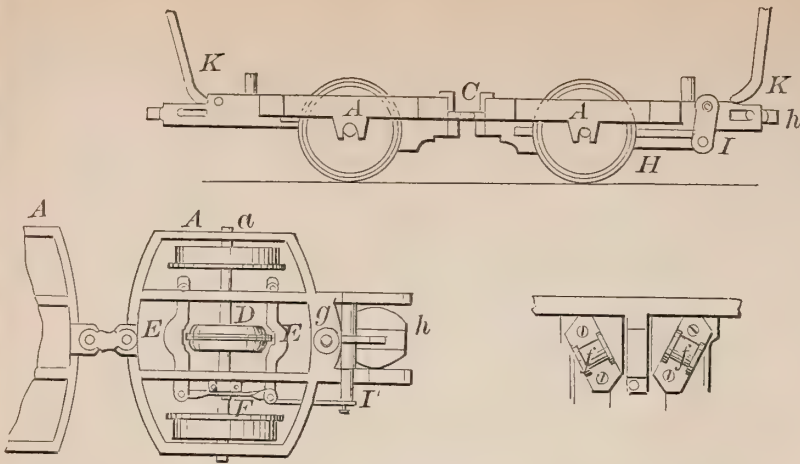


62124—G. R. Forsyth—*Churn Dasher.*

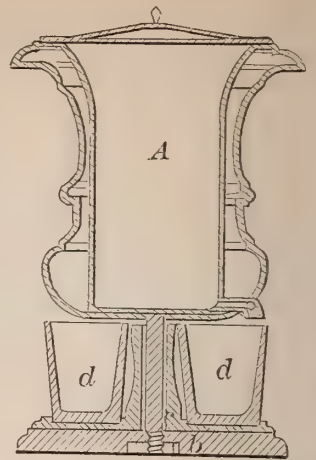




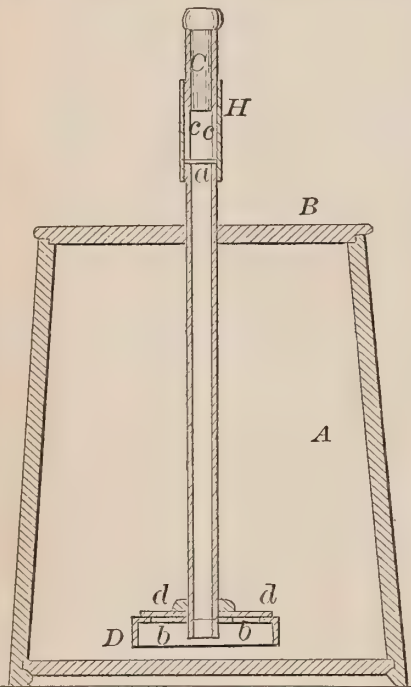
62127—A. Gregg—*Railway Car.*



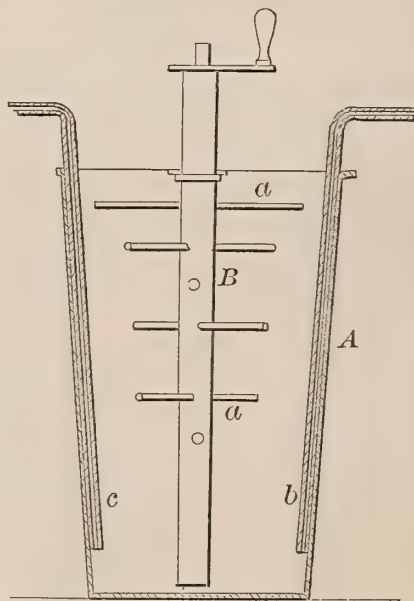
62133—W. H. Hart—*Ice Water Receptacle.*



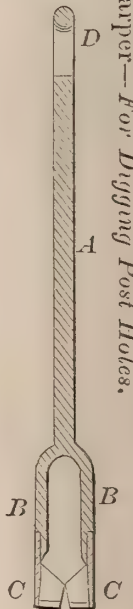
62129—B. Handforth—*Churn.*



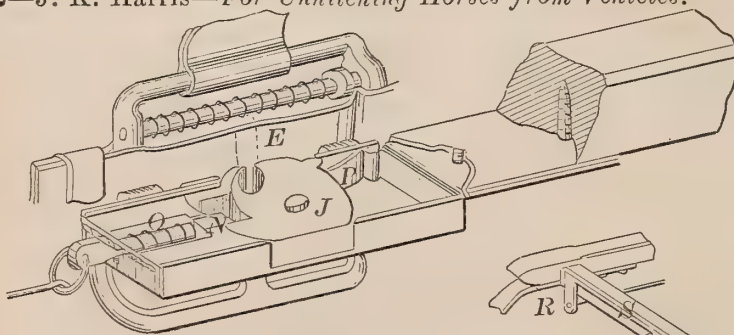
62130—H. Hannen—*Carbonate of Lead Manufacture.*



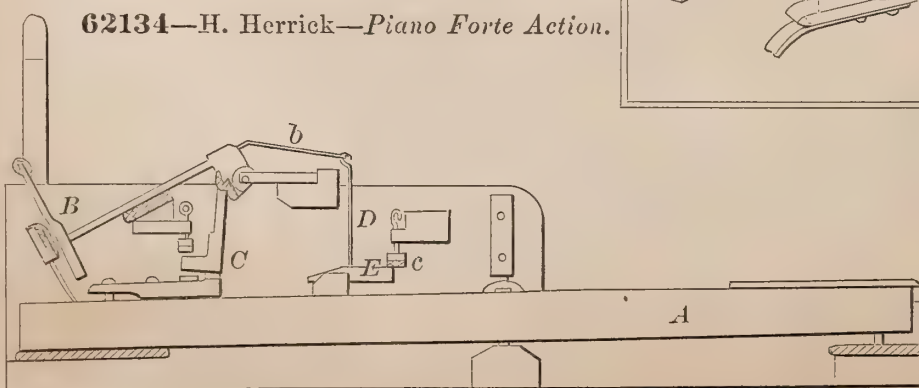
62131—J. W. Harper—*For Digging Post Holes.*



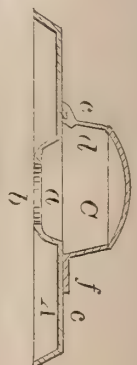
62132—J. K. Harris—*For Unhitching Horses from Vehicles.*



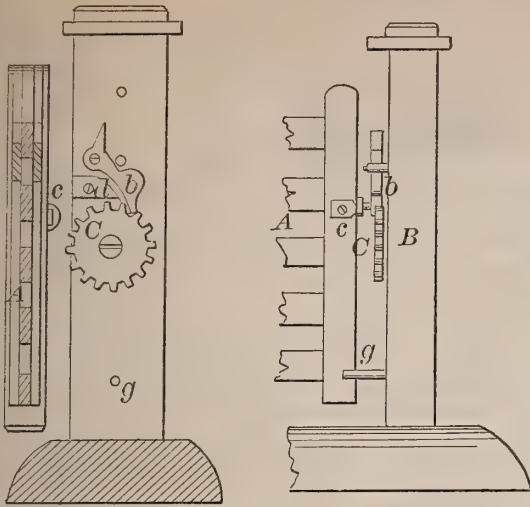
62134—H. Herrick—*Piano Forte Action.*



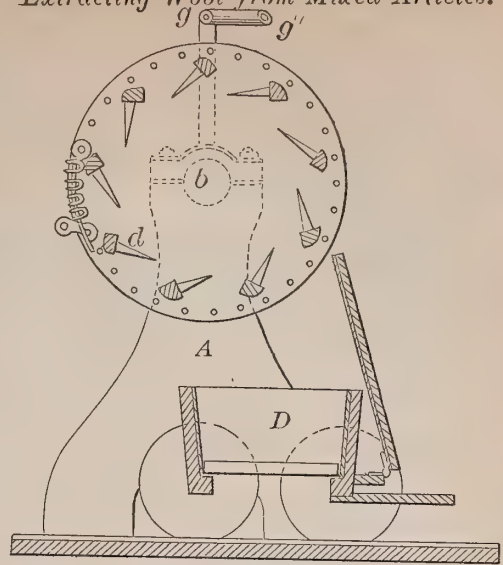
62135—G. H. Howard—*Cup for Coffin Serees.*



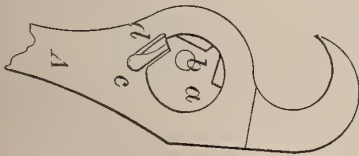
62136—S. E. James—*Gate Fastening.*



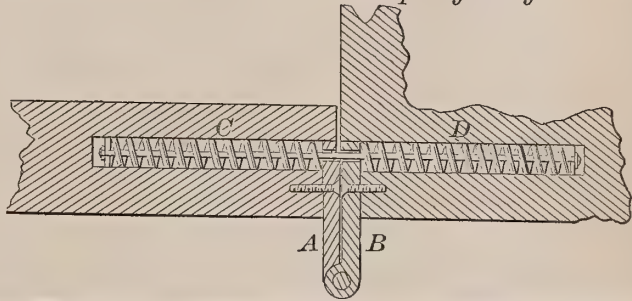
62139—Knowles & Barraclough—*For Extracting Wool from Mixed Articles.*



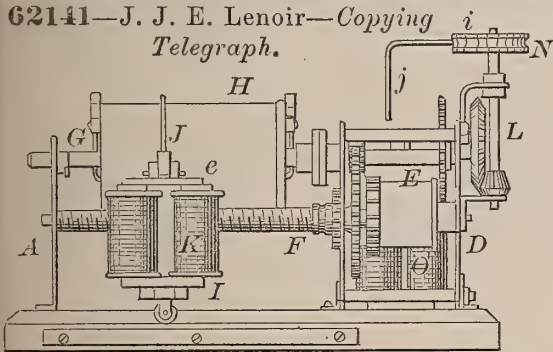
62137—J. Johnson—*Pipe Tongs.*



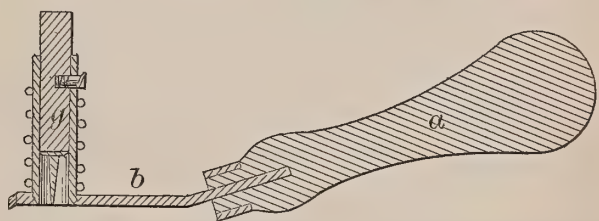
62140—C. W. Lawrence—*Spring Hinge.*



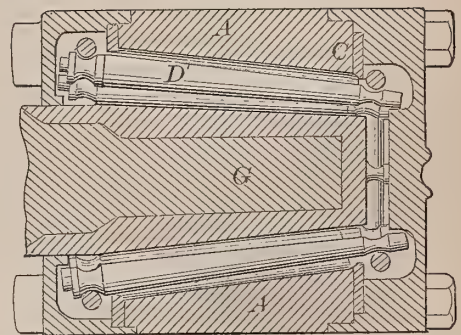
62141—J. J. E. Lenoir—*Copying Telegraph.*



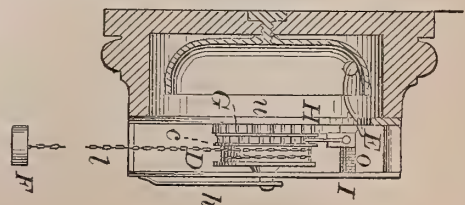
62138—W. J. Johnson—*Carpet Stretcher.*



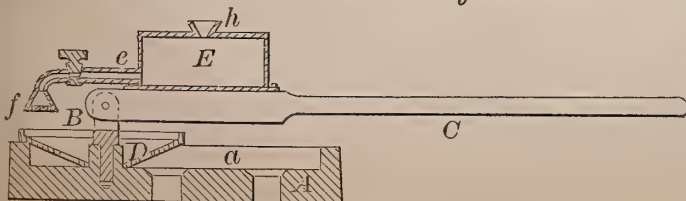
62143—G. F. Lynch—*Railroad Box and Journal.*



62144—G. B. Massey—*Leakage Alarm.*



62142—H. C. Lull—*Marble Scouring Machine.*



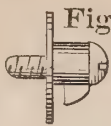


**62145**—T. McPherson—*Carriage  
Curtain Fastening.*

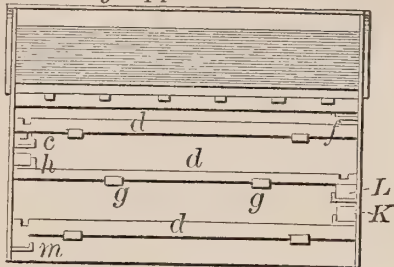
Fig. 2



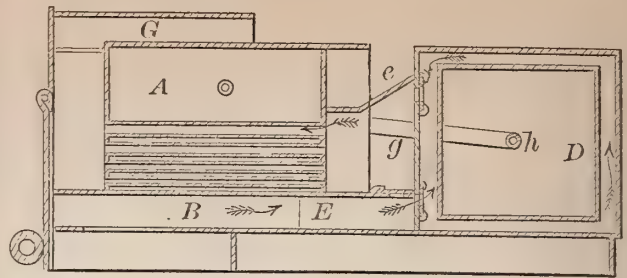
Fig. 3



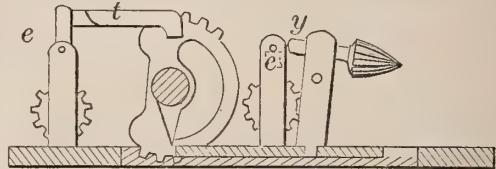
**62146**—F. Michael—*Sugar  
Granulating Apparatus.*



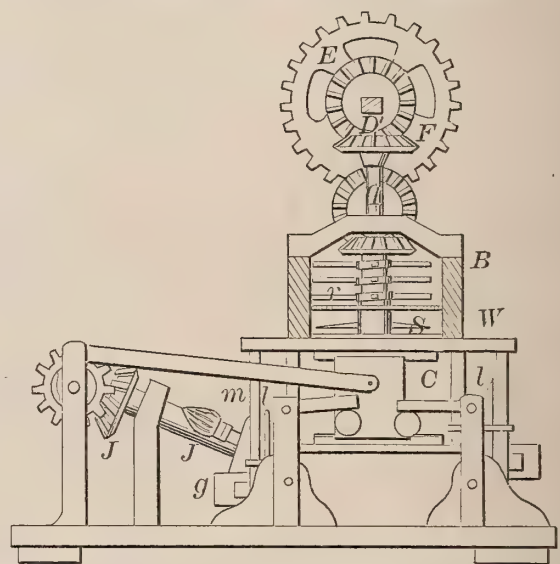
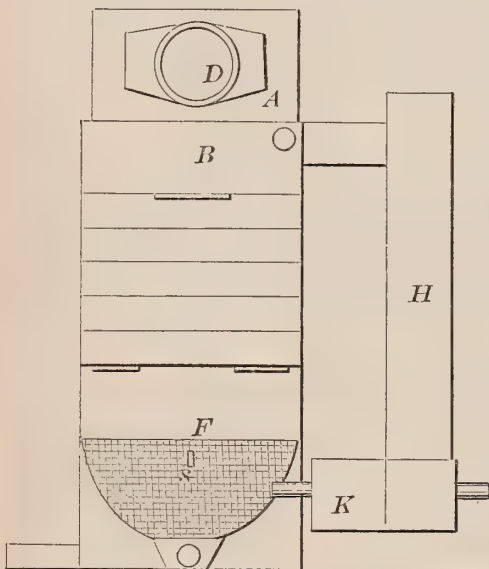
**62148**—F. Milliken—*Steam Heating and Cooking.*



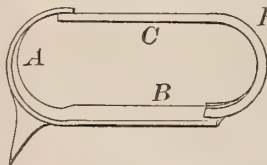
**62149**—I. Morley—*Brick Machine.*



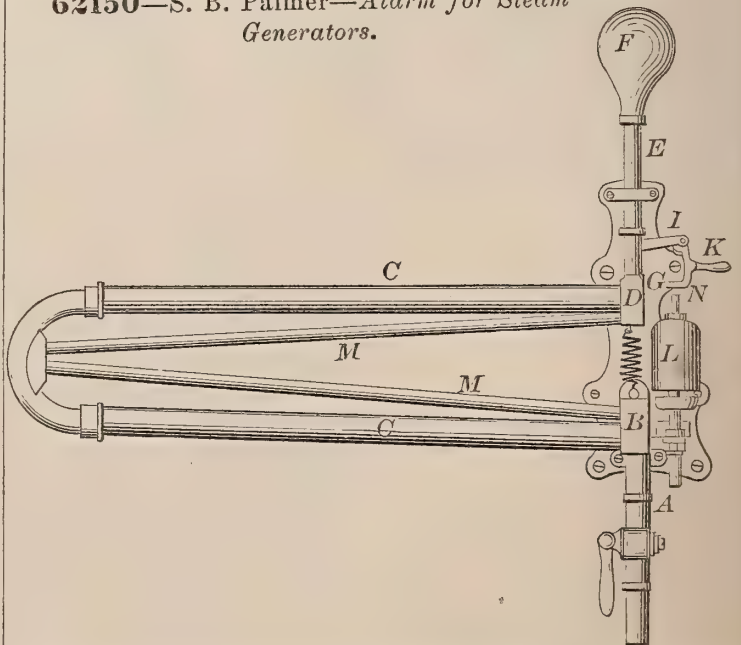
**62147**—F. Michael—*Evaporator.*



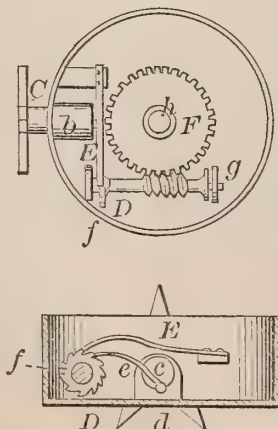
**62151**—O. M. Pond—*Corn  
Husker.*



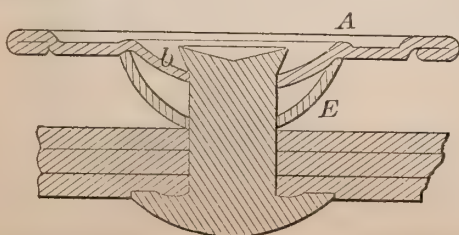
**62150**—S. B. Palmer—*Alarm for Steam  
Generators.*



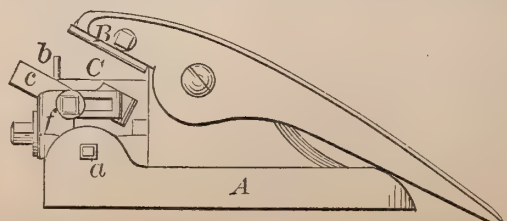
**62152**—Prescott & Judson—*Odometer.*



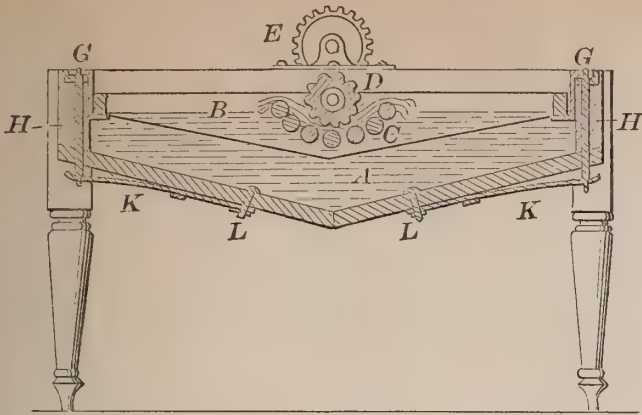
**62153**—W. H. Reed—*Button.*



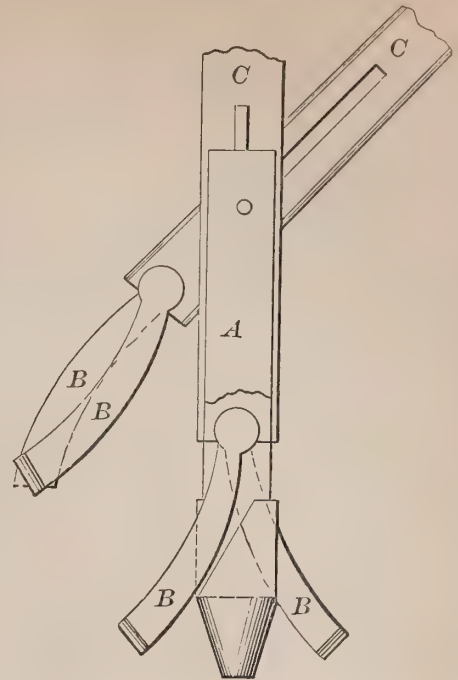
**62154**—N. B. Reynolds—*Metal Shearing Machine.*



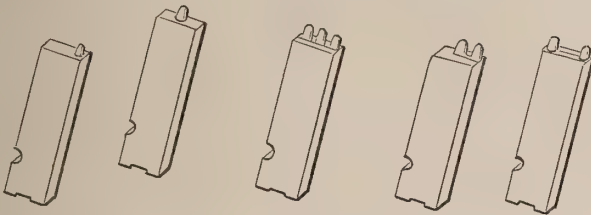
62155—G. A. Robinson—*Washing Machine.*



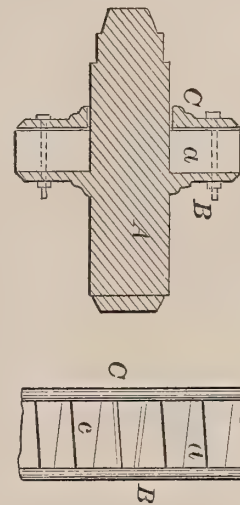
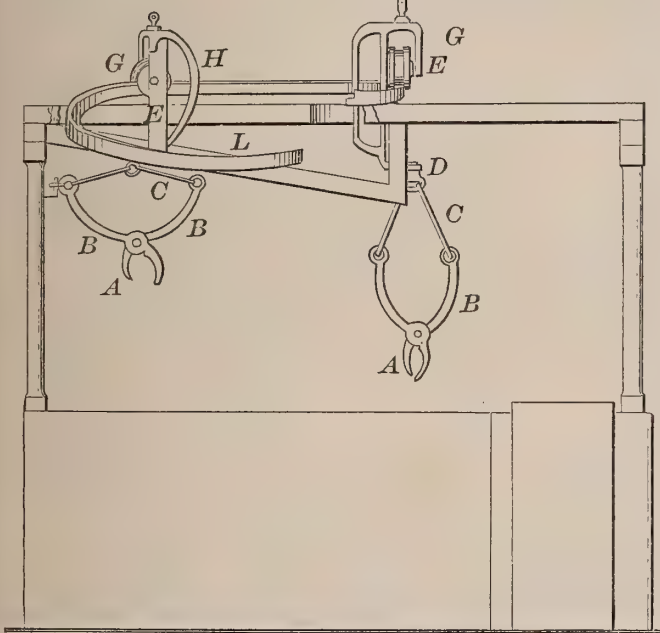
62160—H. M. Stow—*Rock Chamber Drill.*



62156—H. Robyn—*Type for the Blind.*

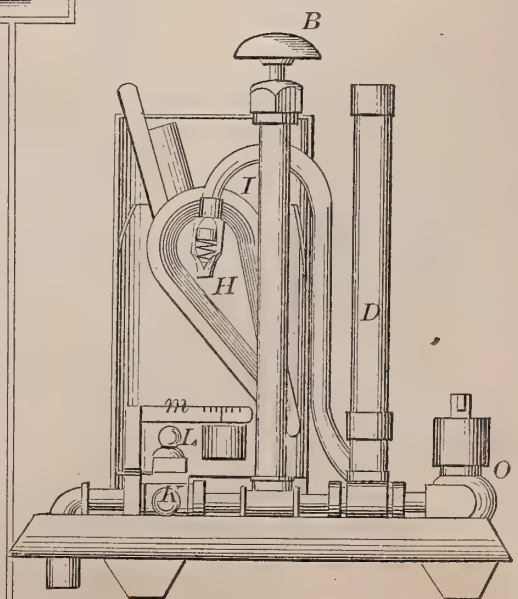


62158—W. M. & R. Savage—*For Slaughtering Hogs.*

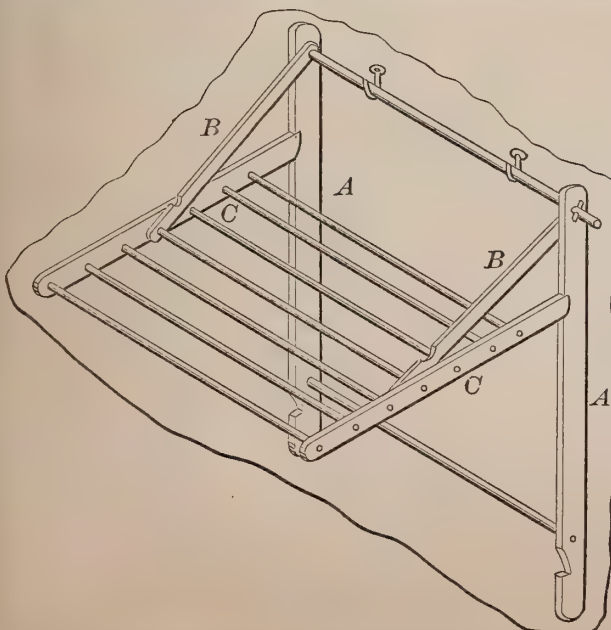


62161—J. B. Stuart—*Metallic Hub for Wheels.*

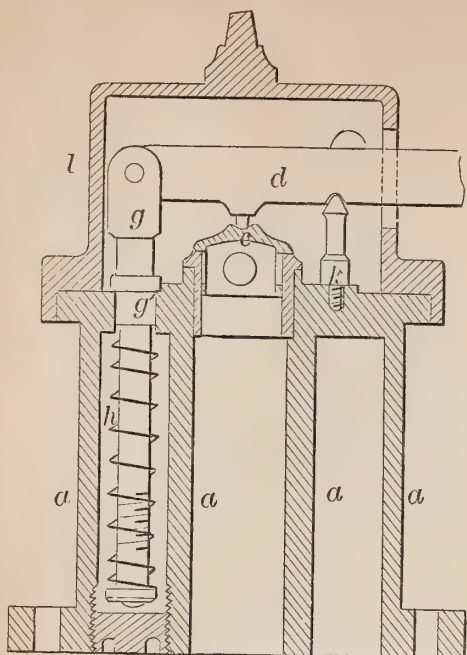
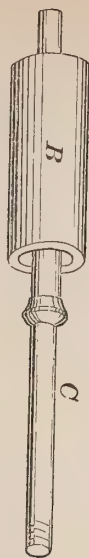
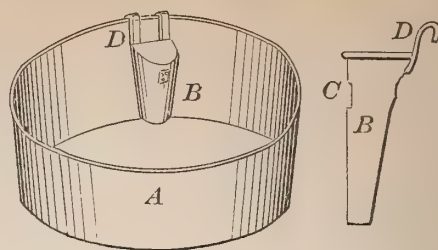
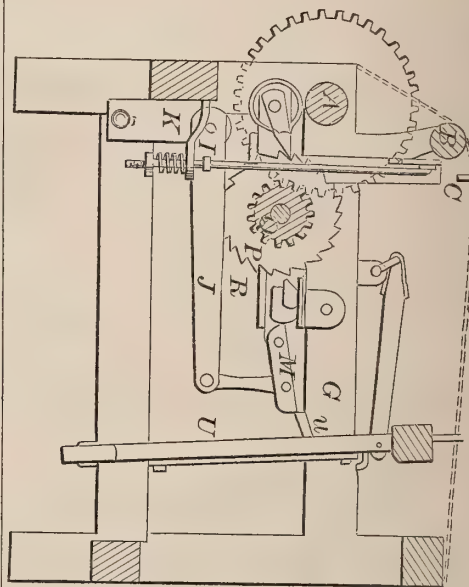
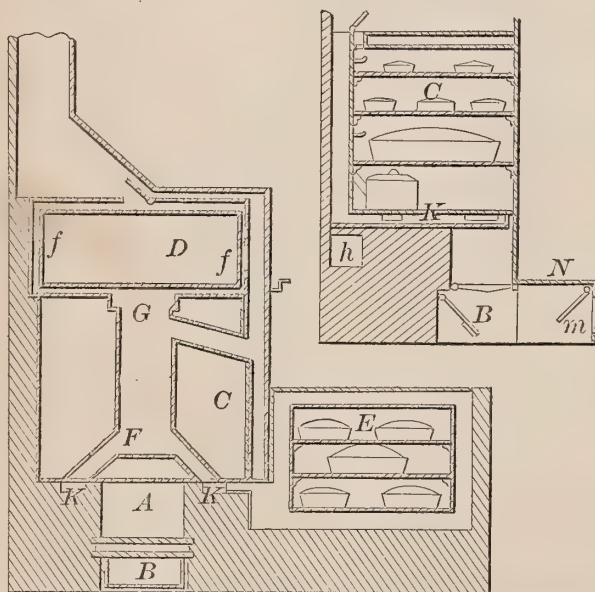
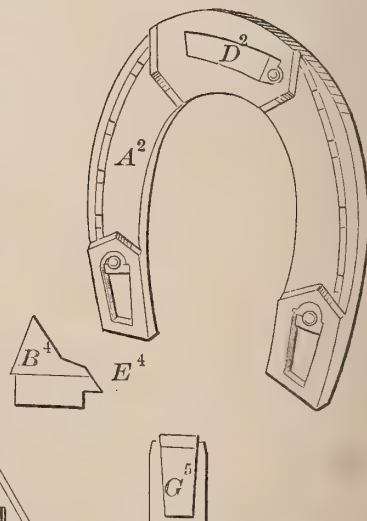
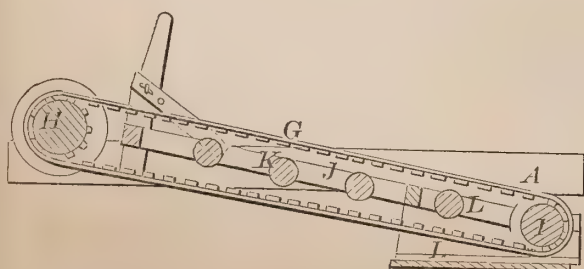
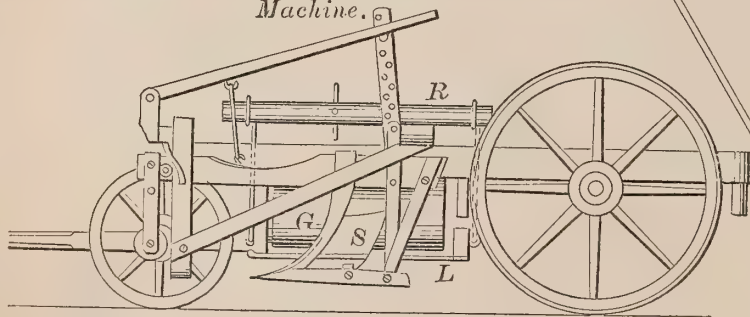
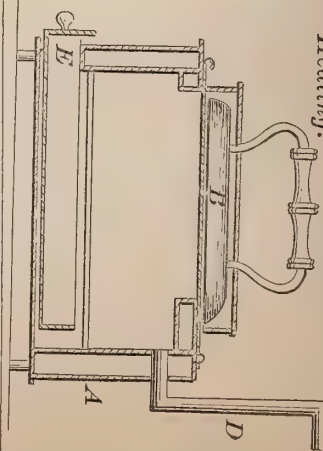
62162—J. W. Summers—*Steam Generator.*



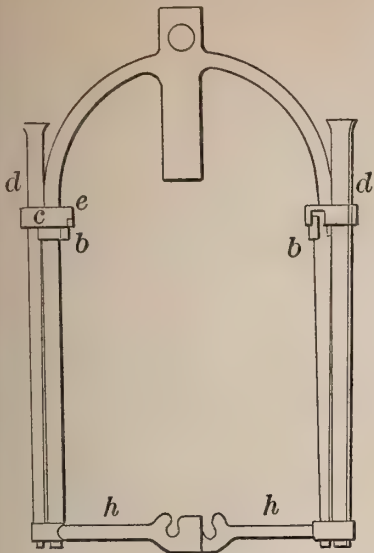
62159—G. Stickels—*Rock or Shelf.*



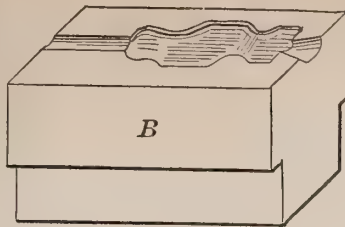


62163—J. R. Swann—*Safety Valve.*62164—W. A. Torrey—*Elastic Roll Manufacture.*62167—I. V. Hagen—*Foot Rest.*62168—R. Walker—*Let-off Motion for Looms.*62169—T. C. Walter—*Cooking Range.*62170—B. R. Watson—*Horse Shoe.*62171—W. J. Wauchope—*Ditching and Grading Machine.*62172—J. D. Westgate—*Sadd Iron Heating.*

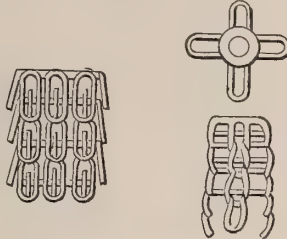
**62173**—Westley & Beaumont—*Spinning Flyer.*



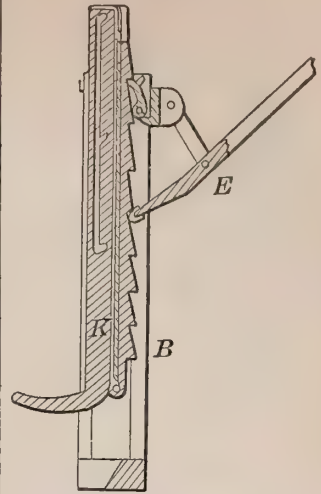
**62174**—L. Wetherell—*Die.*



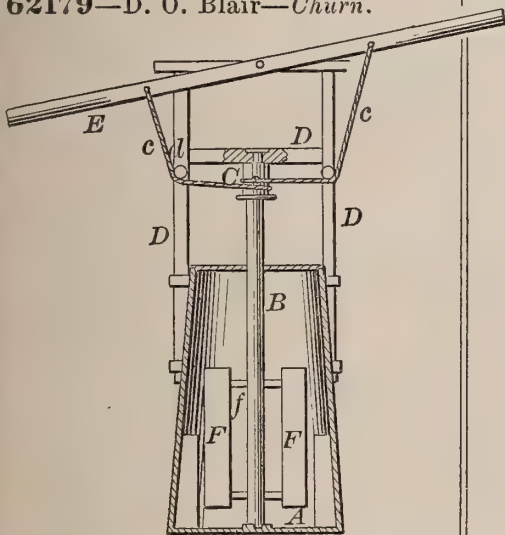
**62178**—P. M. C. Béziel—*Forming Parts of Chains, &c.*



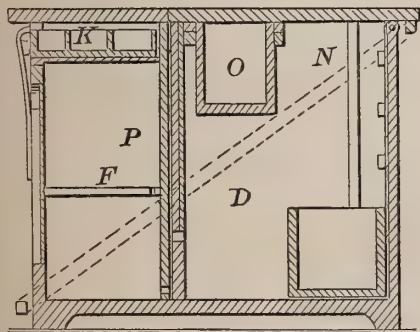
**62175**—E. Zimmerman—*Lifting Jack.*



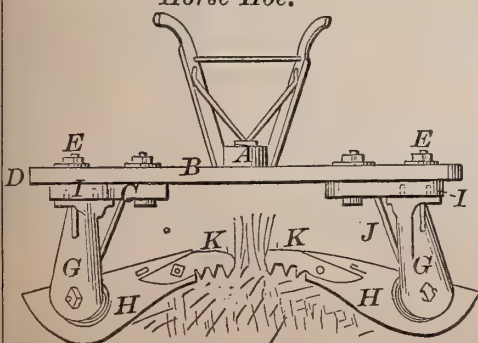
**62179**—D. O. Blair—*Churn.*



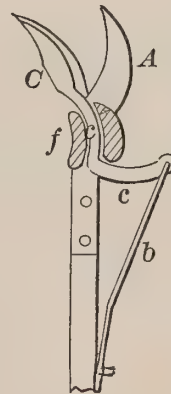
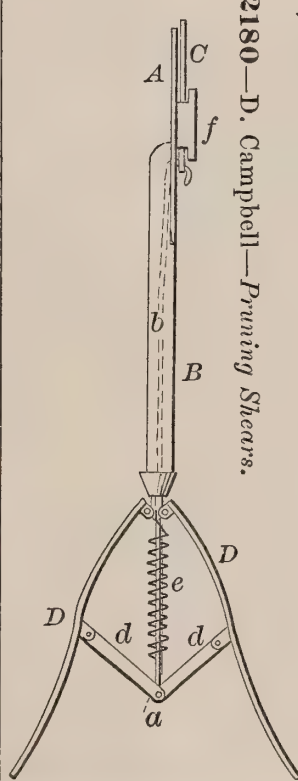
**62176**—W. M. Baker—*Table, Cupboard and Clothes Rack.*



**62181**—Chandler & Nickels—*Horse Hoe.*



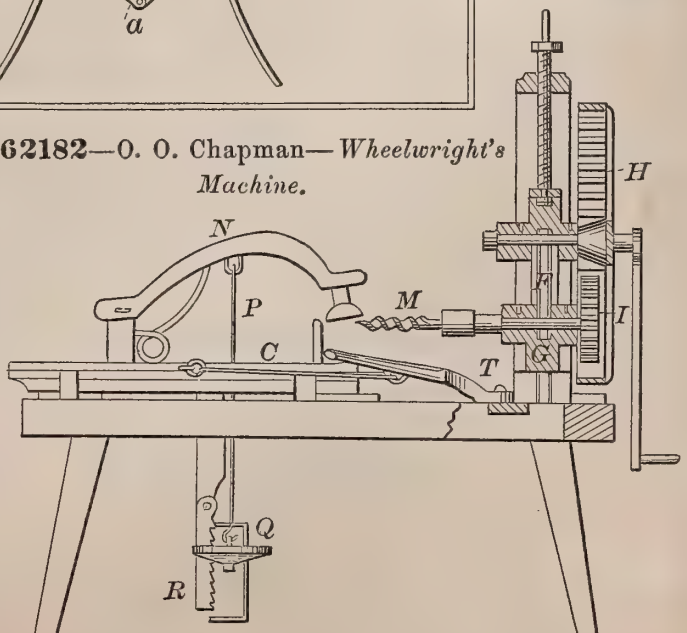
**62180**—D. Campbell—*Pruning Shears.*



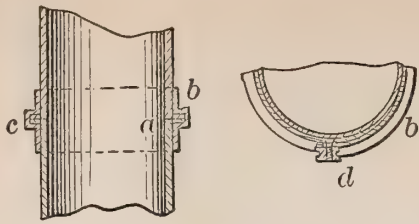
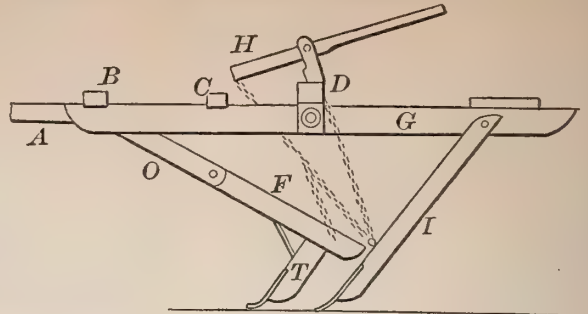
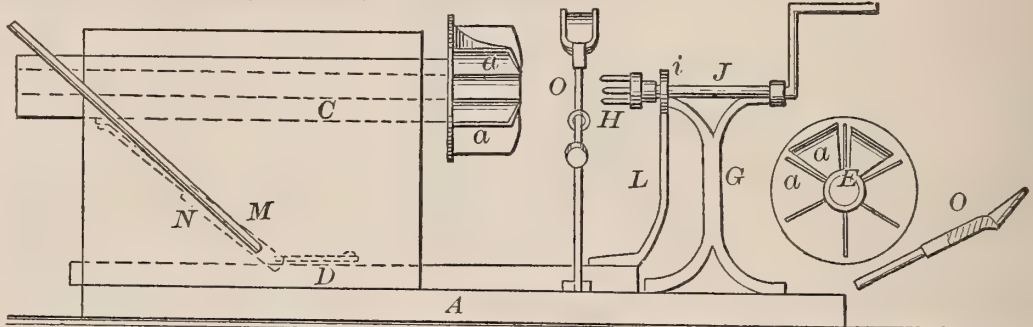
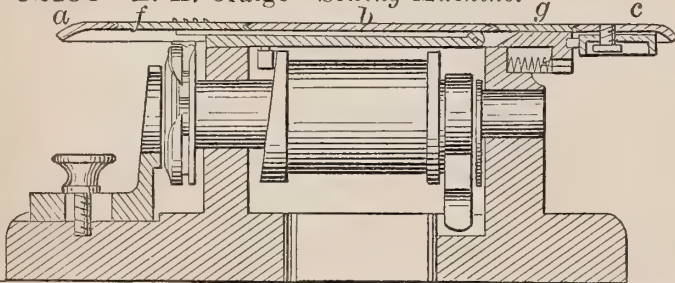
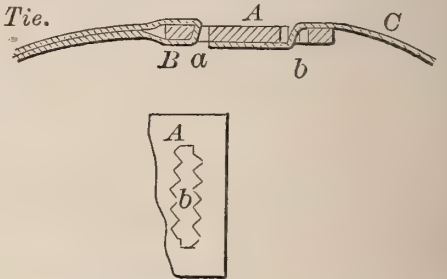
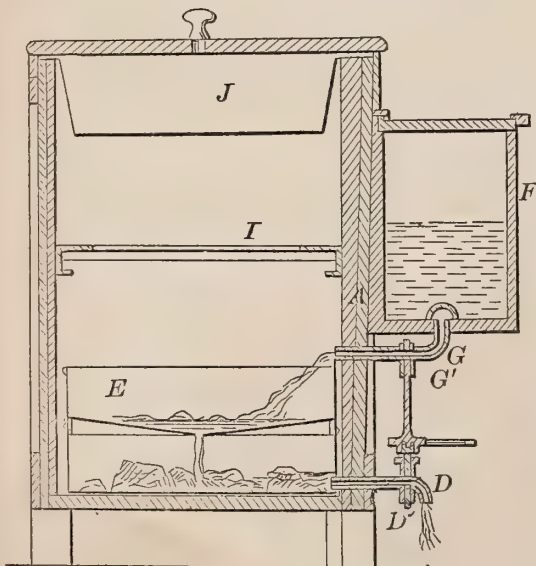
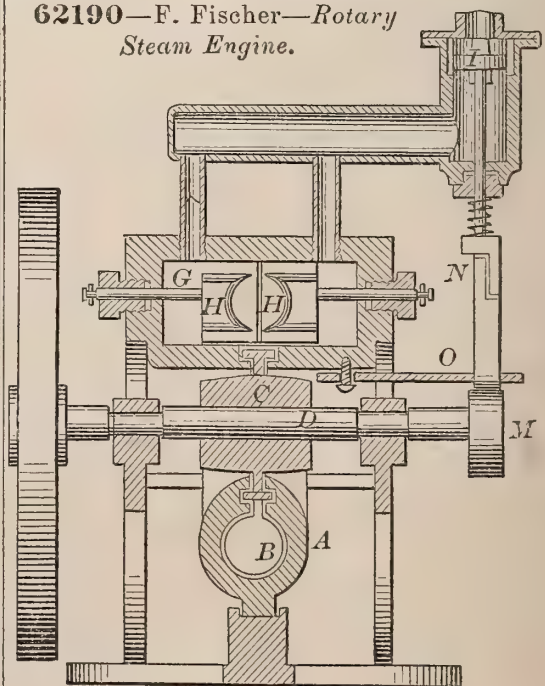
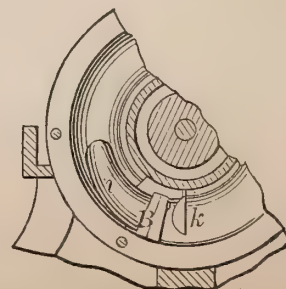
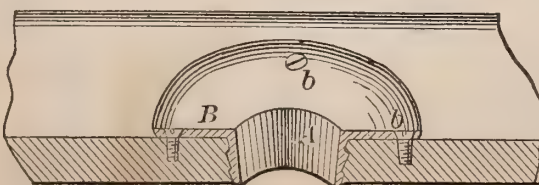
**62177**—J. Baltimore—*Pipe Cutter.*



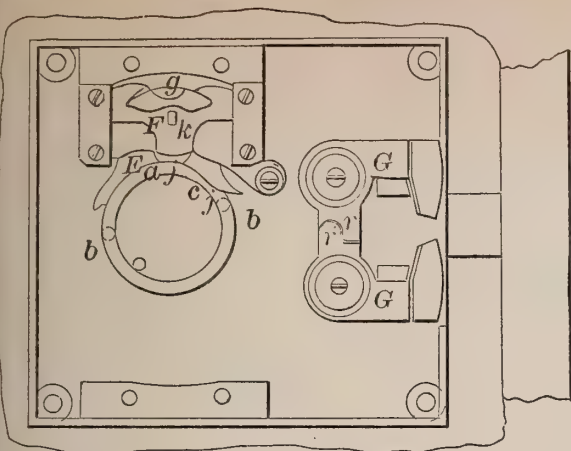
**62182**—O. O. Chapman—*Wheelwright's Machine.*



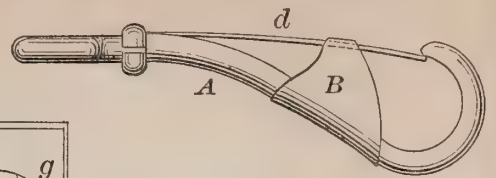


62183—H. M. Clifford—*Stove Pipe Joint.*62185—J. W. Connely—*Cultivator.*62184—W. A. Coe—*Apple Parer, Corer and Cutter.*62186—E. H. Craige—*Sewing Machine.*62188—H. Fassmann—*Cotton Bale Tie.*62187—H. G. Dayton—*Refrigerator.*62190—F. Fischer—*Rotary Steam Engine.*62189—D. F. Fetter—*Bushing for Barrels.*

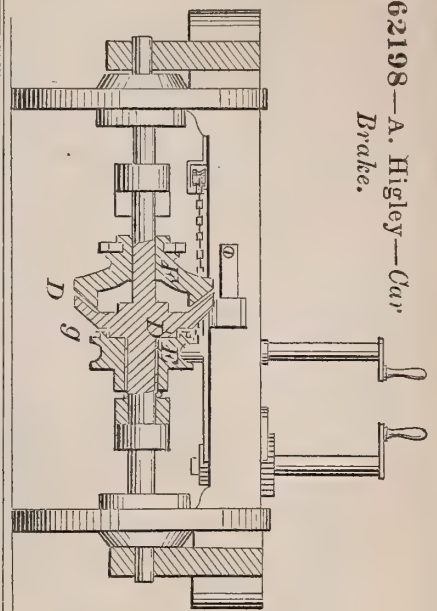
62191—C. Flesch—*Permutation Lock.*



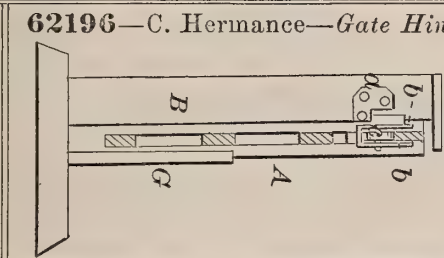
62194—W. B. Hayden—*Wire Rein Snap.*



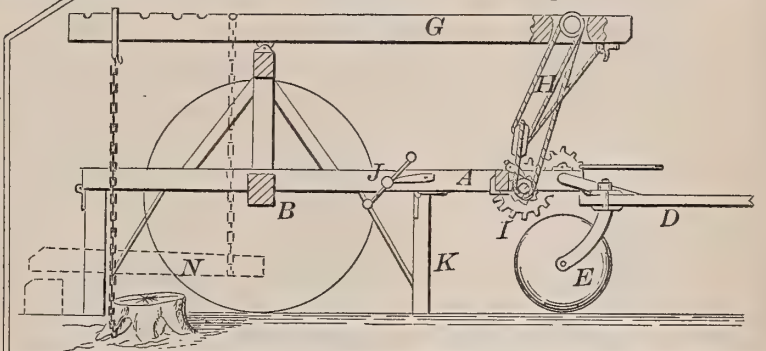
62198—A. Higley—*Car Brake.*



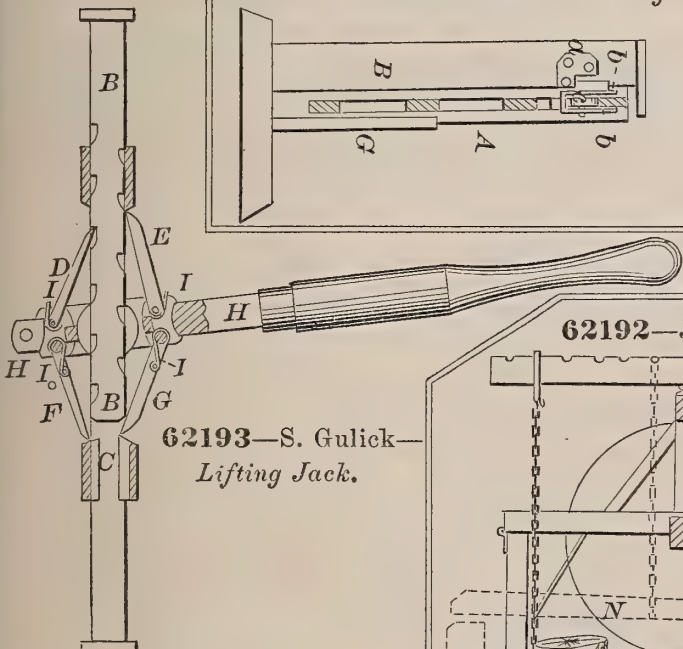
62196—C. Hermance—*Gate Hinge.*



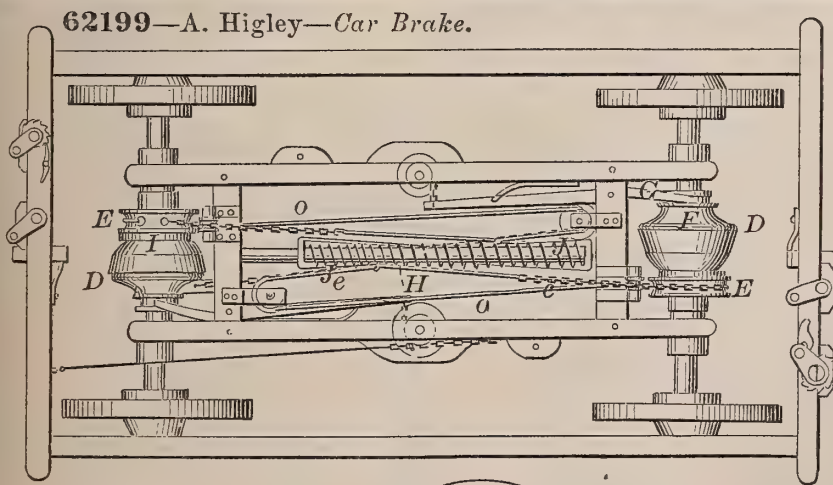
62192—J. M. Gleichman—*Stump Extractor.*



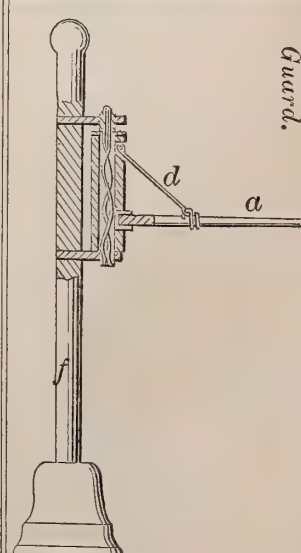
62193—S. Gulick—*Lifting Jack.*



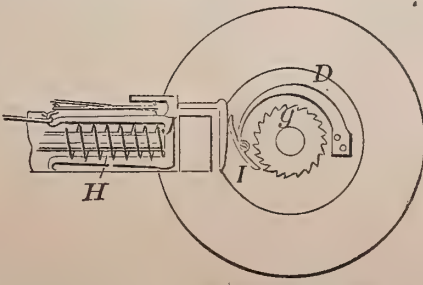
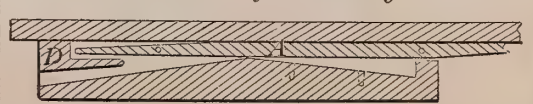
62199—A. Higley—*Car Brake.*



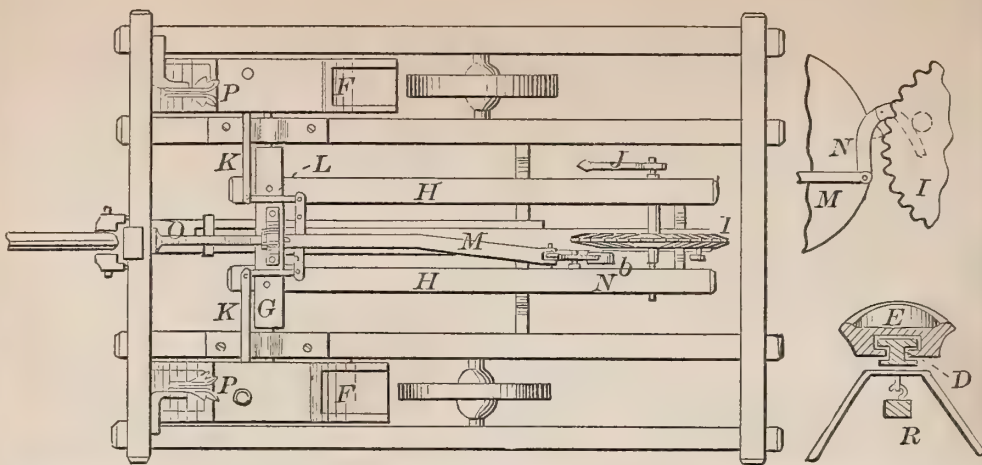
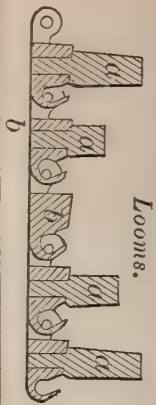
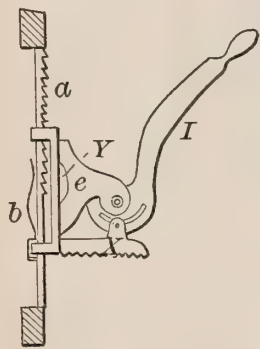
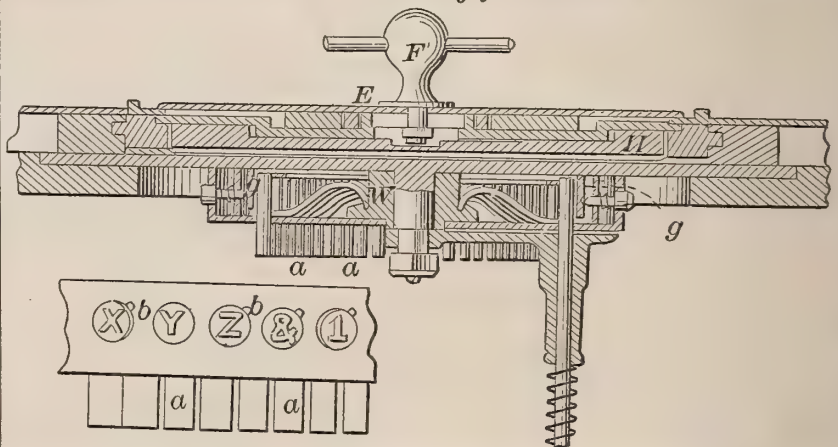
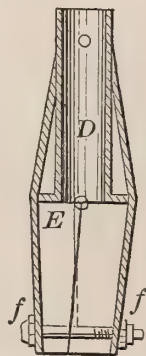
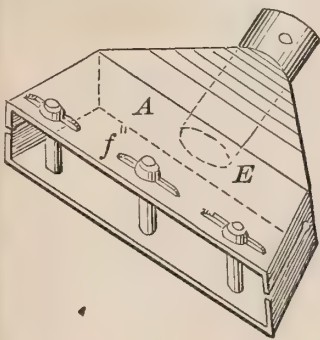
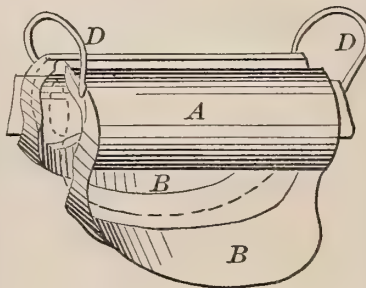
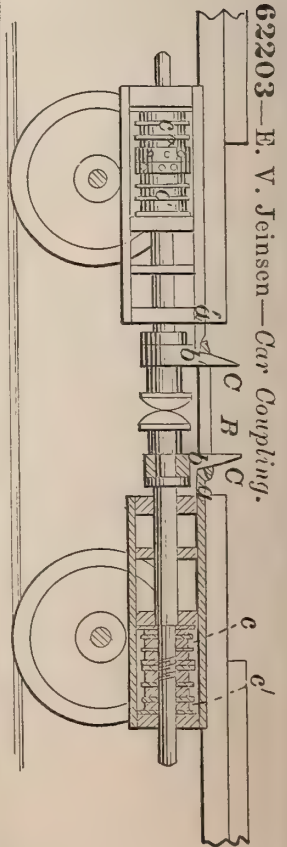
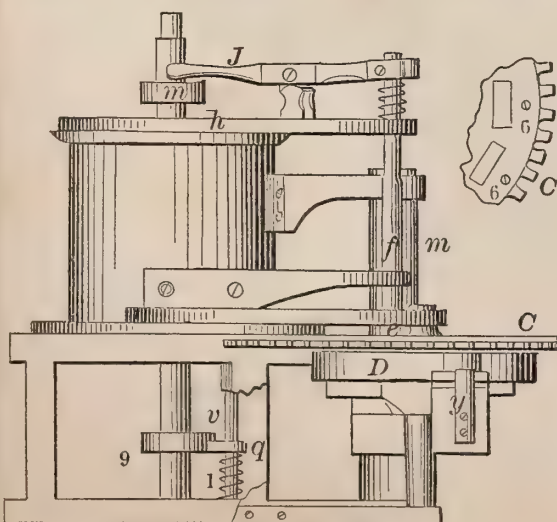
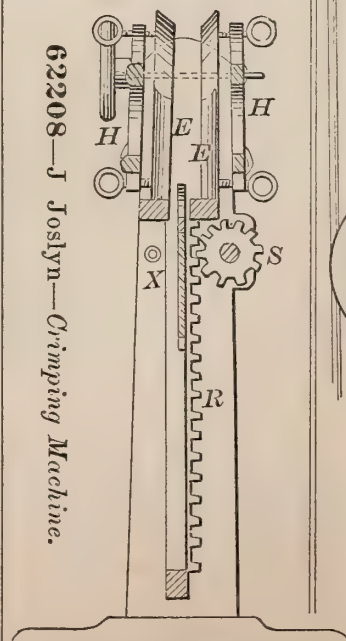
62197—C. L. Heywood—*Railway Safety Guard.*



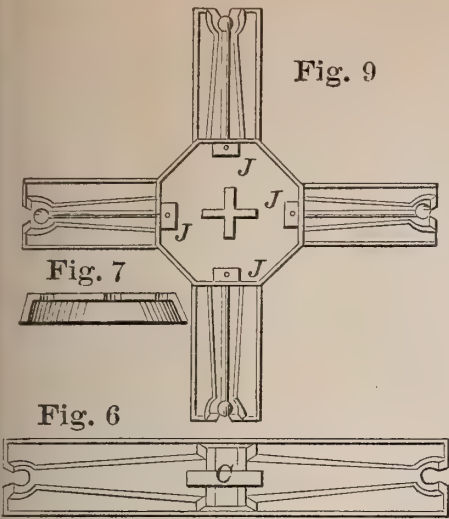
62195—C. E. Hayes—*Money Drawer.*



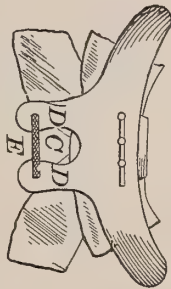
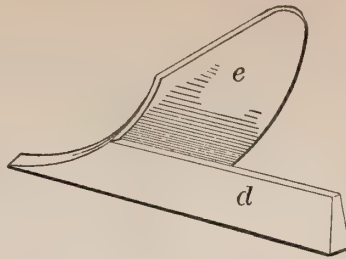


**62200**—W. J. Hobson—*Corn Planter.***62204**—B. H. Jenks—*Index Chain for Looms.***62205**—G. Johnson—*Sawing Machine.***62206**—D. A. Johnston—*Printing for the Blind.***62202**—J. S. Hugg—*Broom Head.***62201**—L. Hover—*Sad Iron Holder.***62203**—E. V. Jansen—*Car Coupling.***62207**—J. J. Johnston—*Brick Machine.***62208**—J. Joslyn—*Crimping Machine.*

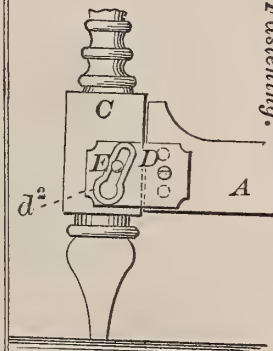
62209—T. E. King—Fence.



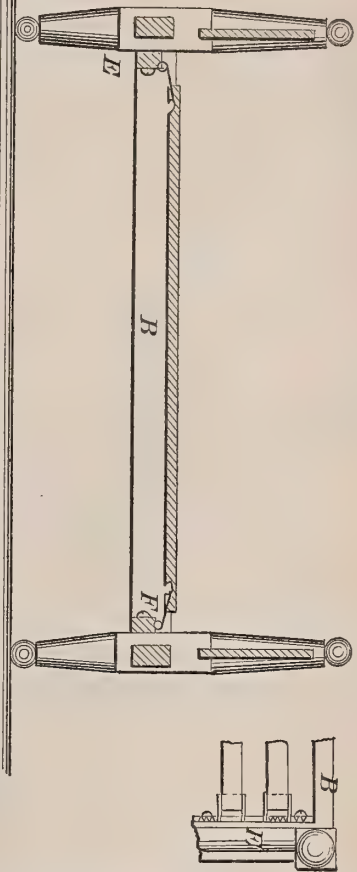
62211—W. P. Long—Plow.



62210—W. A. Lavery—Neck Tie.

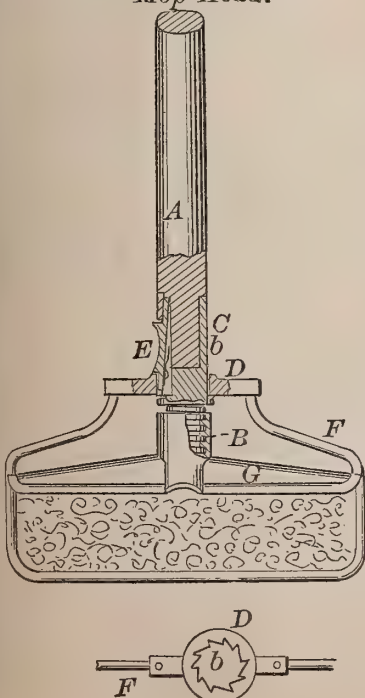


62212—J. Maguire—Bedstead Fastening.

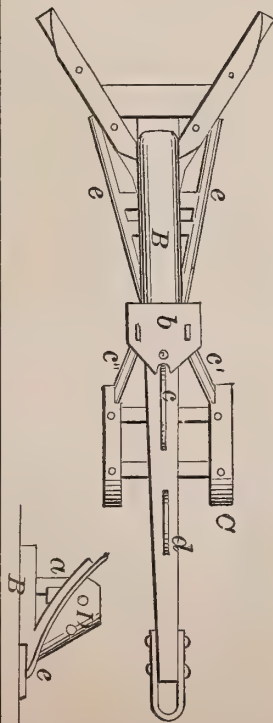


62213—D. Manuel—Bed Bottom.

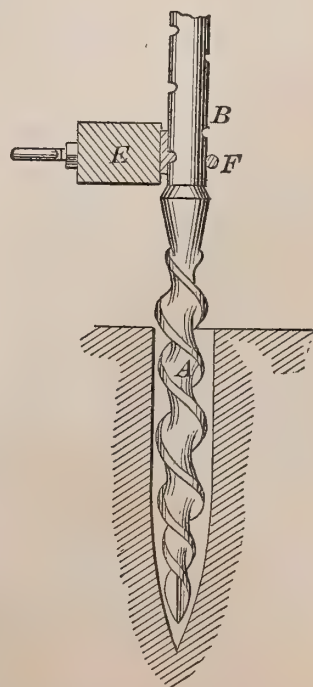
62214—Mason & Messinger—Mop Head.



62215—J. T. Miller—Ditching Plow.



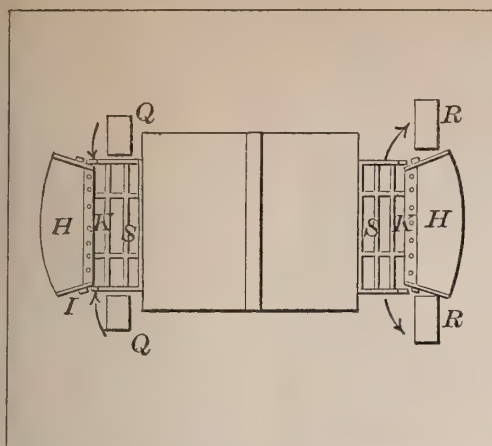
62216—P. Ollom—Well Boring Auger.



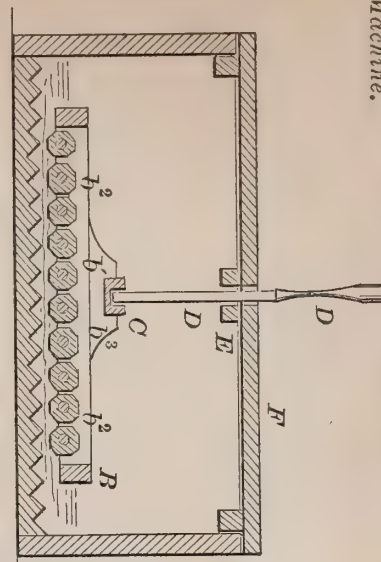




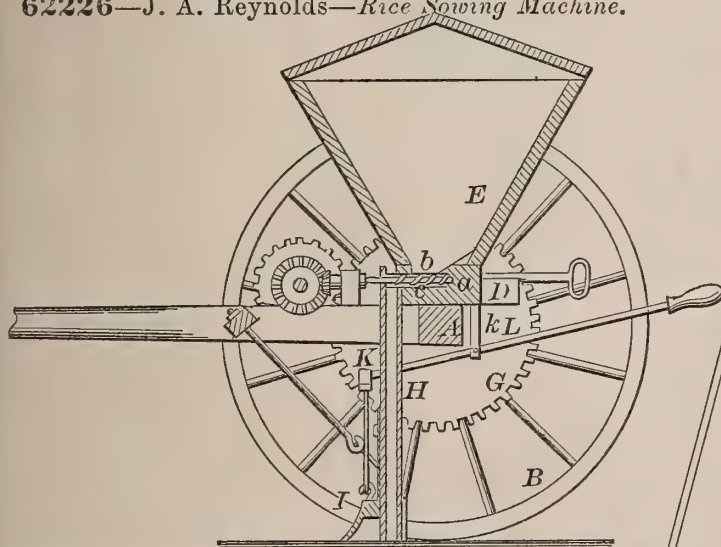
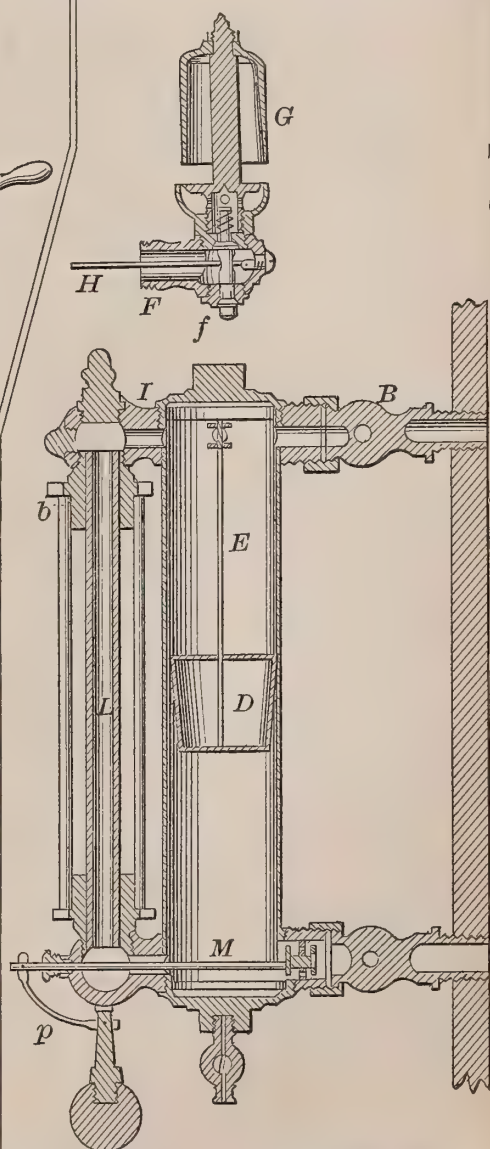
**62225**—Reniff & Buttolph—*Car Ventilator.*



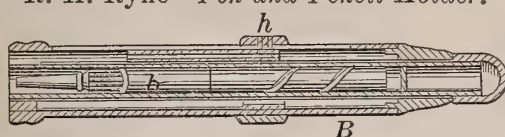
62229—Short, Allen & Craig—*Washington Machine.*



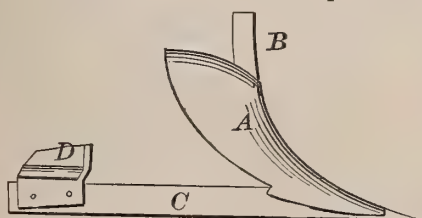
62226—J. A. Reynolds—*Rice Sowing Machine.*

62230—Springer & Bartram—*Alarm for Steam Generators.*

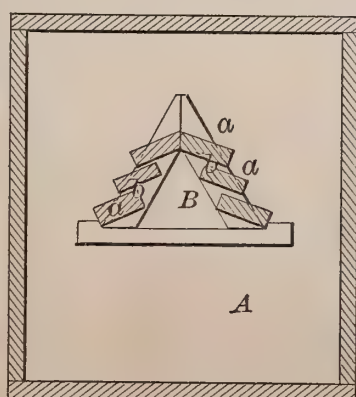
**62227**—R. H. Ryne—*Pen and Pencil Holder.*



62228—T. Saunders—*Cotton Scraper.*



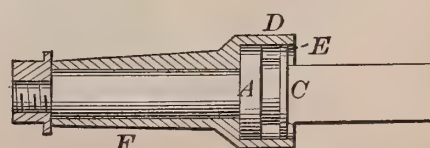
**62233**—J. E. Strode—*Grain Dryer.*



62232—C. H. Stockbridge—*Bit Brace.*

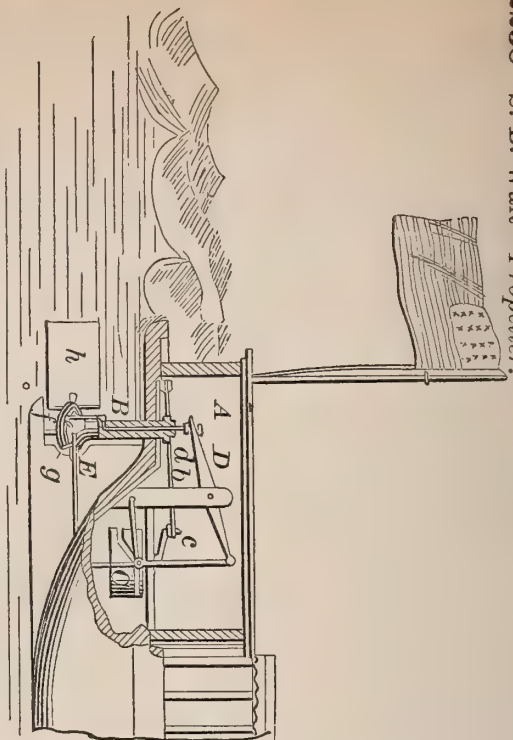


**62231**—J. S. Steele—*Sand Box for Carriage Axles.*

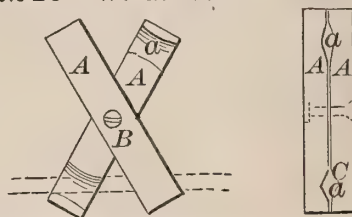




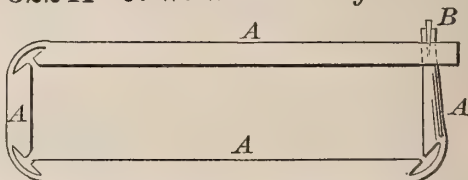
62238—S. B. Wait—Propeller.



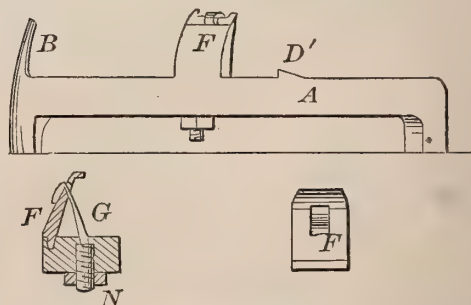
62240—W. G. Ward—Clothes Pin.



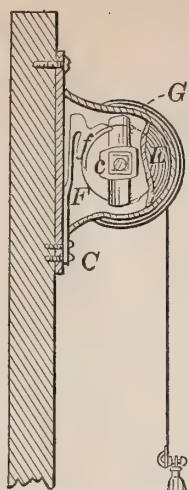
62241—J. W. Wells—Shingle Band.



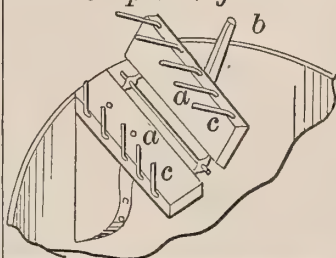
62242—C. M. Werner—Horse Shoe.



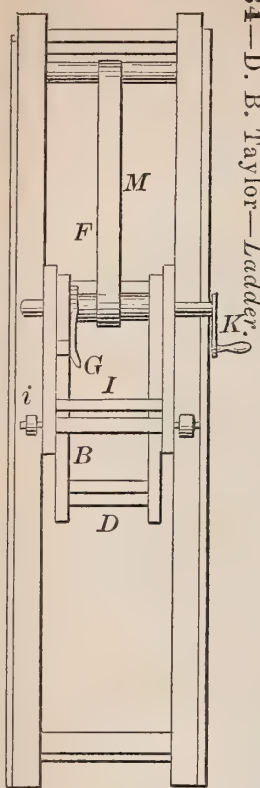
62235—L. A. Tripp—Curtain Fixture.



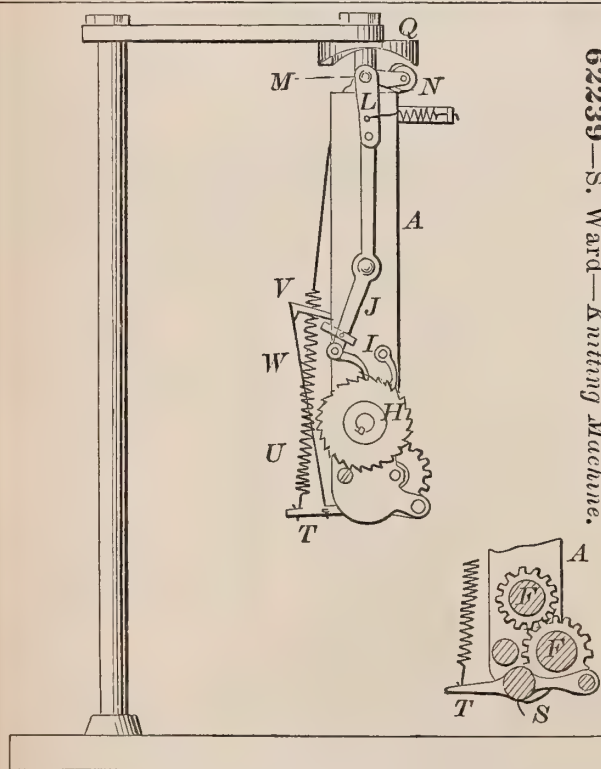
62237—B. V. Alstine—Mop Wringer.



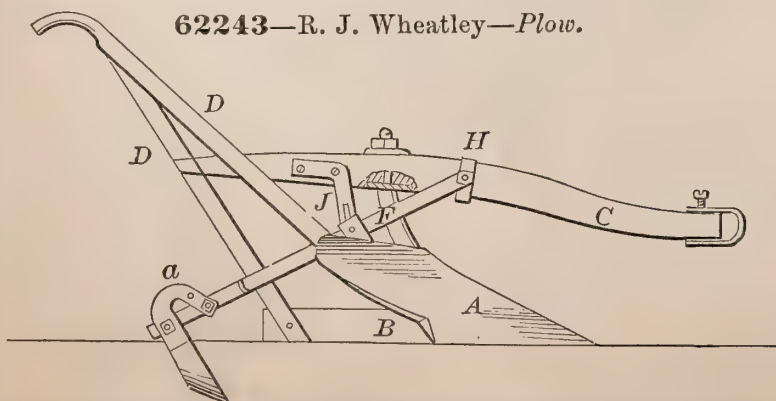
62234—D. B. Taylor—Ladder.



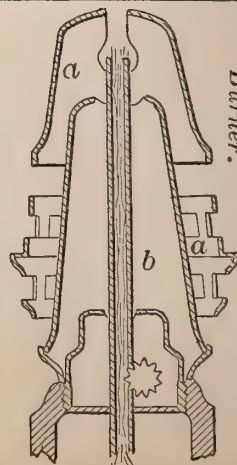
62239—S. Ward—Knitting Machine.



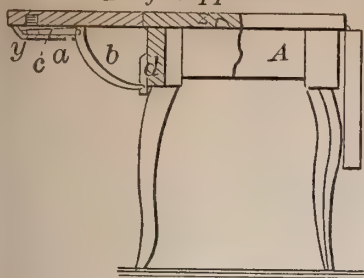
62243—R. J. Wheatley—Plow.



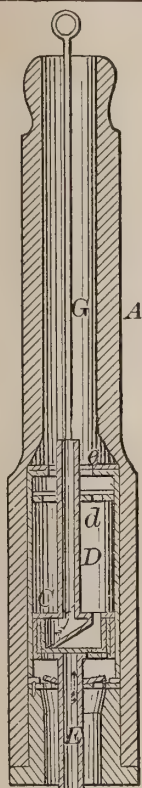
62244—Archer &amp; Deays—Lamp Burner.



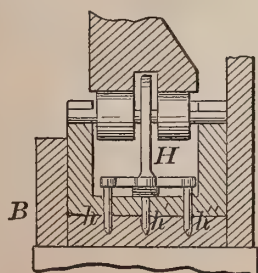
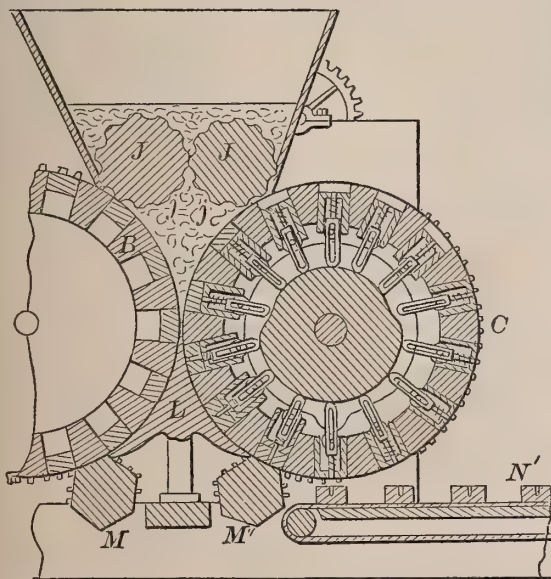
**62245**—D. Bull—*Table Leaf Supporter.*



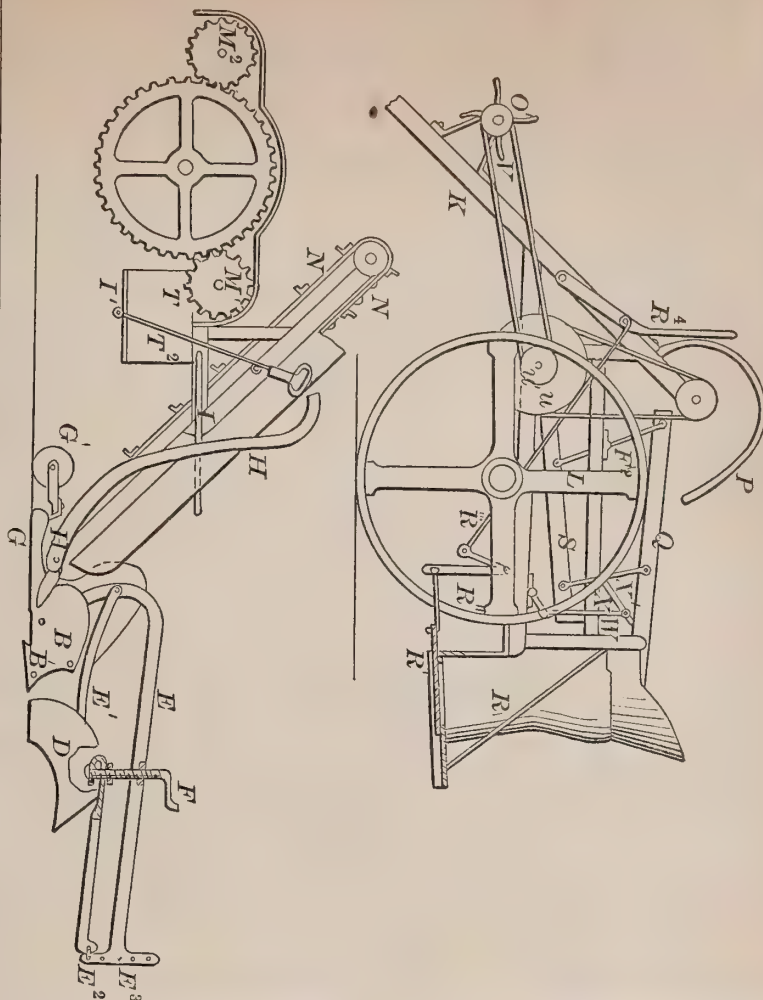
62247—J. Bean—*Pump.*



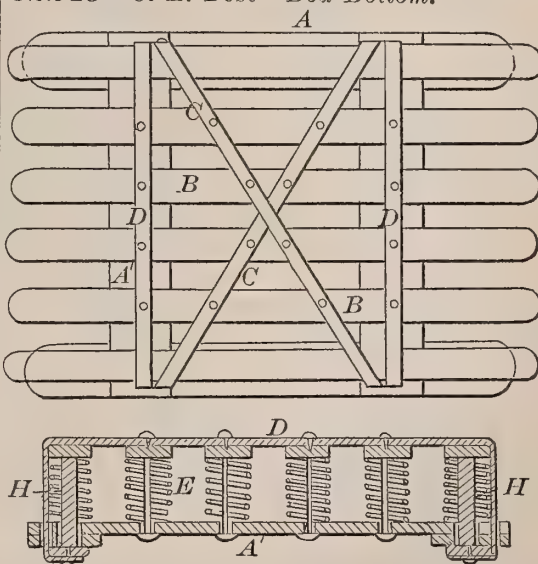
**62249**—G. C. Bovey—*Brick Machine.*



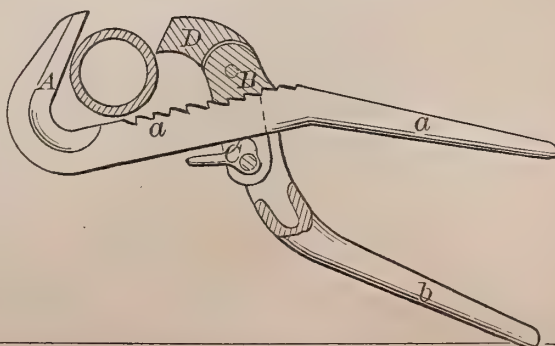
62246—J. W. Bartlett—*Potato Digging Machine.*



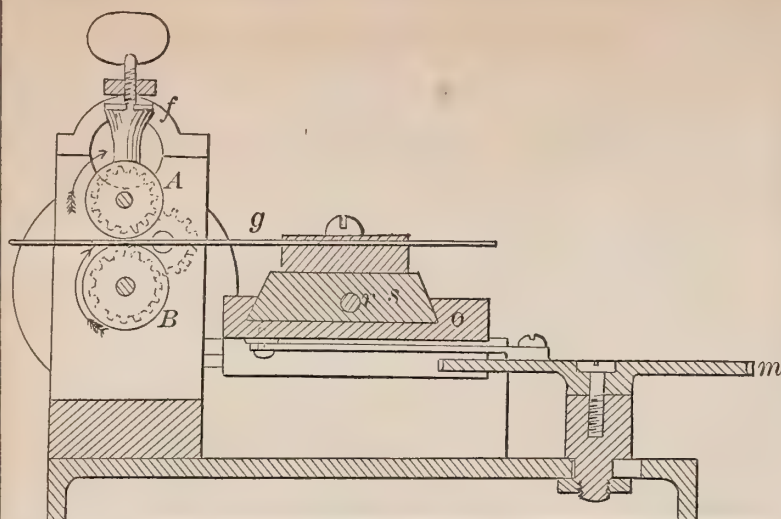
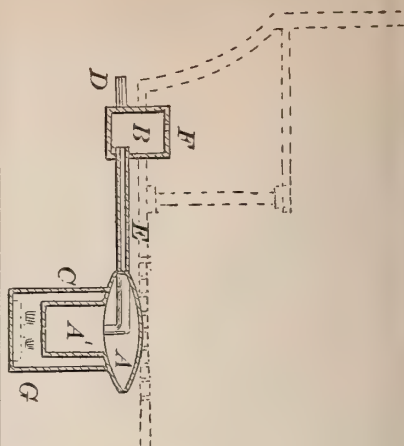
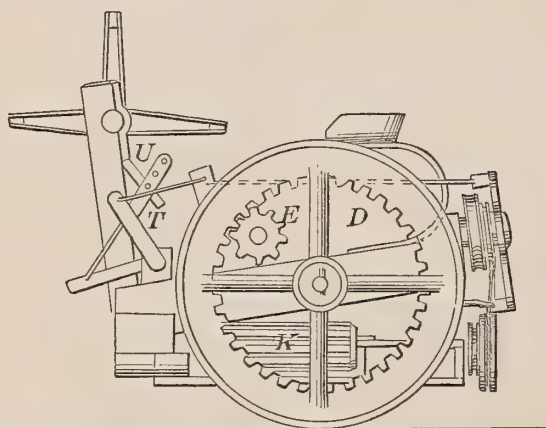
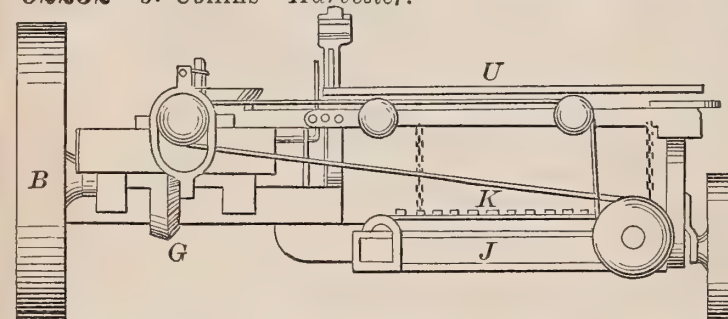
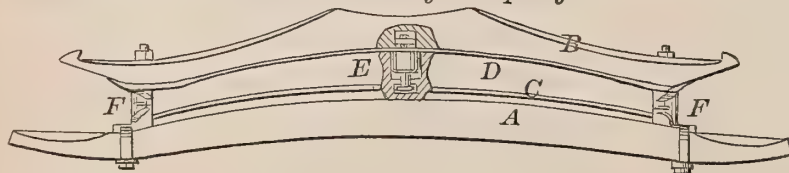
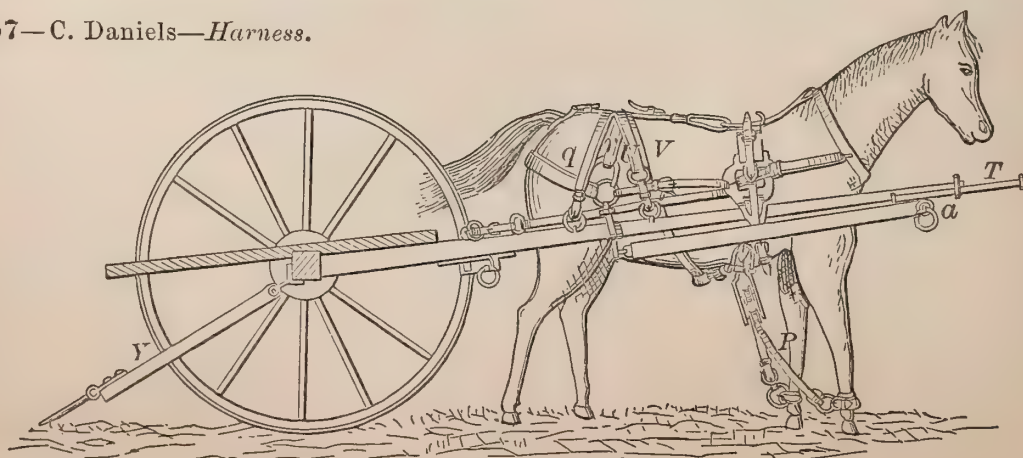
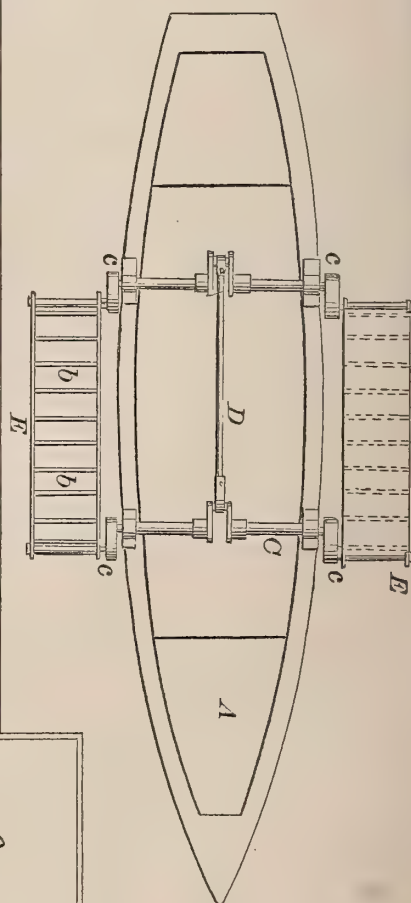
62248—C. E. Best—*Bed Bottom.*



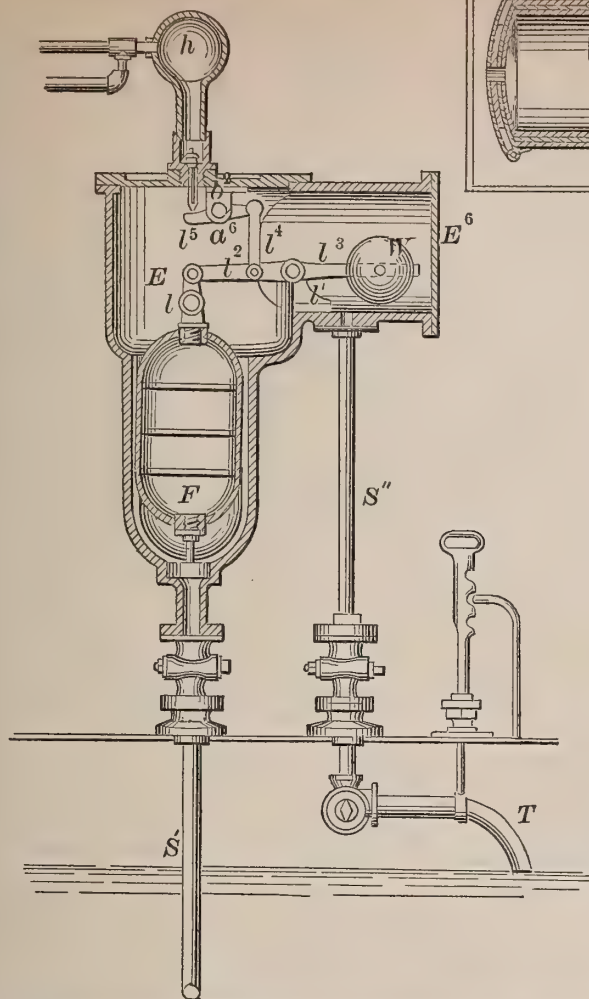
62250—E. Cash—*Pipe Tongs.*



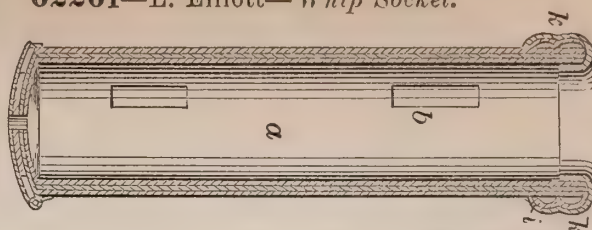


62251—S. A. Chapman—*Plated Ware Burnisher.*62254—C. C. Converse—*For Heating Cars, &c.*62252—J. Collins—*Harvester.*62253—H. Conderman—*Carriage Coupling.*62257—C. Daniels—*Harness.*62255—J. Covert—*Propeller.*

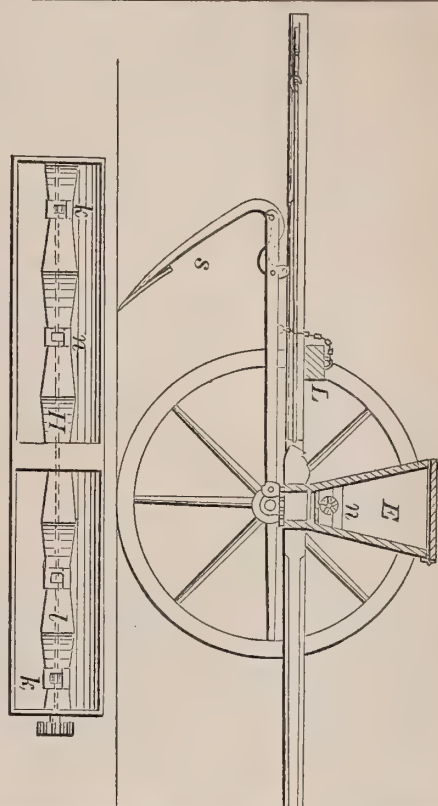
**62258**—Doughty & Olmsted—*Boiler Feeder.*



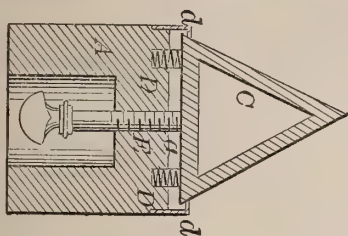
**62261**—L. Elliott—*Whip Socket.*



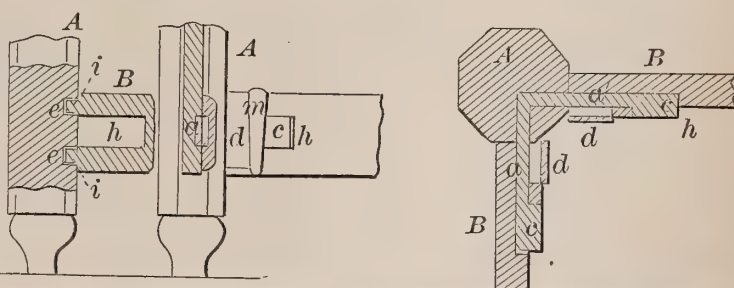
**62259**—Eggleston & Swain—*Seeding Machine.*



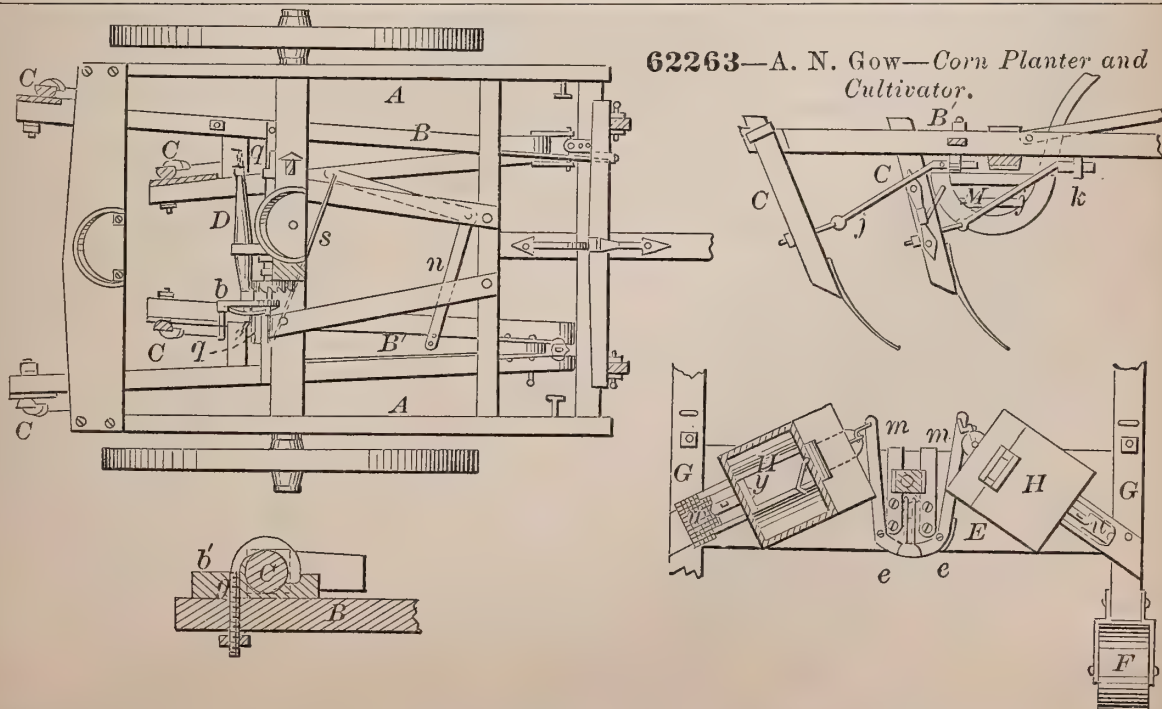
**62260**—H. Ellig—*Match Case.*



**62262**—P. H. Freylinghausen—*Bedstead Fastening.*

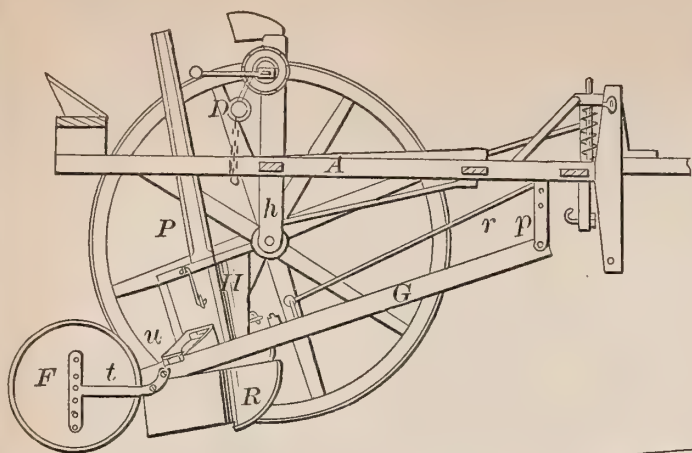


**62263**—A. N. Gow—*Corn Planter and Cultivator.*

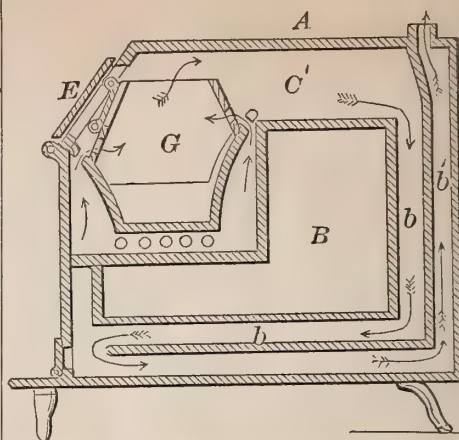




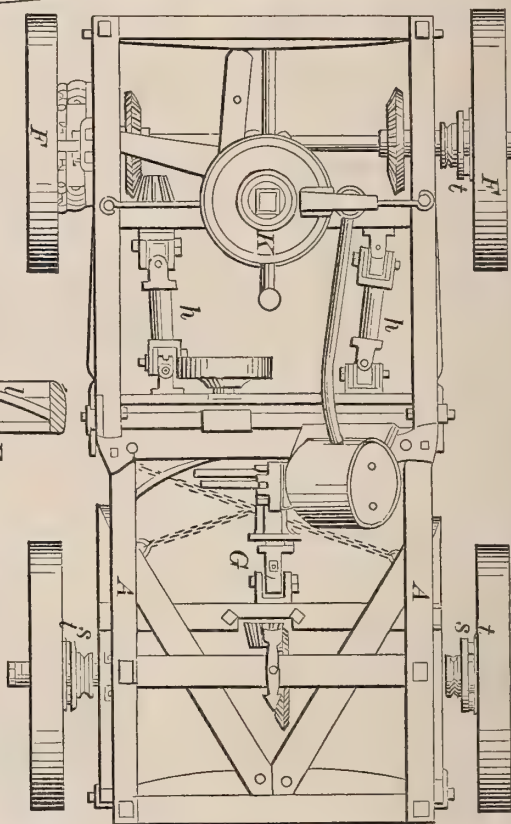
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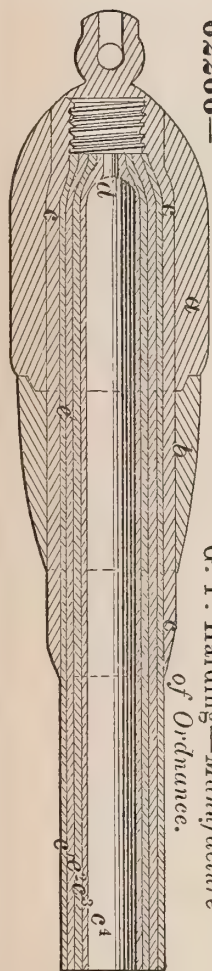
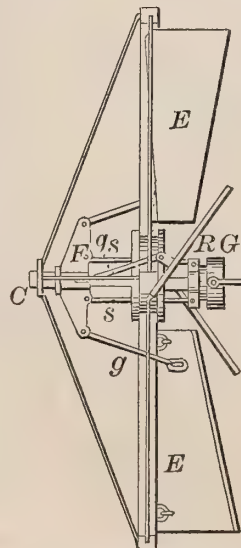
62265—L. F. Hake—Stove Grate.



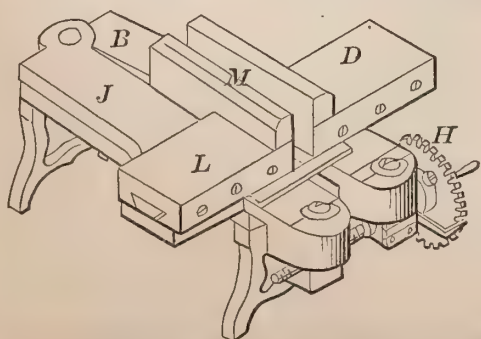
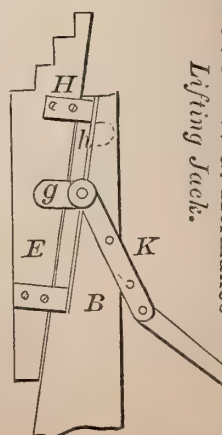
62264—L. F. Hake—Land Conveyance.



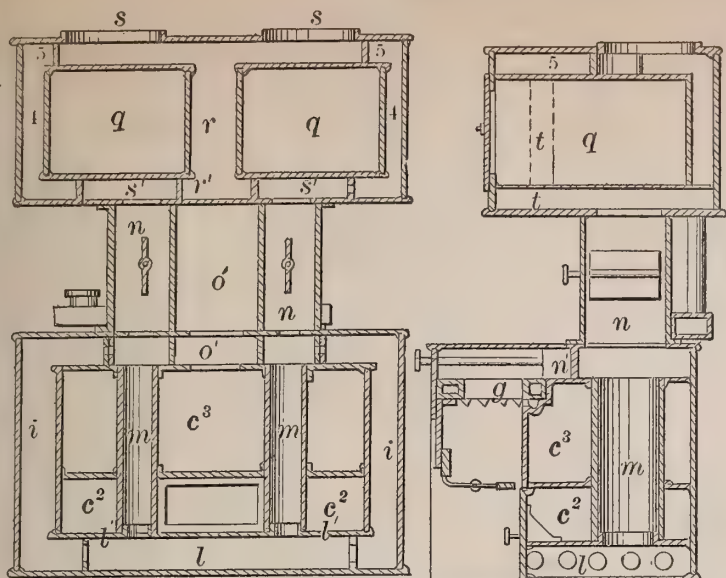
62266—

G. P. Harding—Manufacture  
of Ordnance.62269—F. Hewitt—  
Windmill.

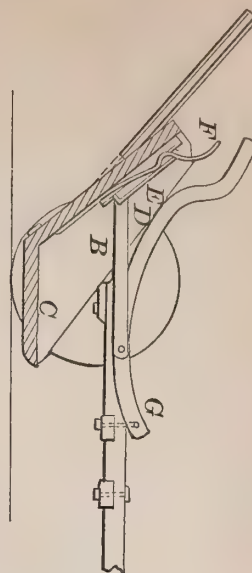
62267—A. Hatch—For Tapering Measures.

62268—W. G. Hermance—  
Lifting Jack.

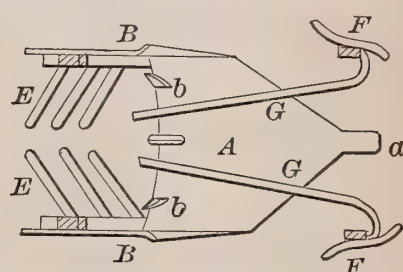
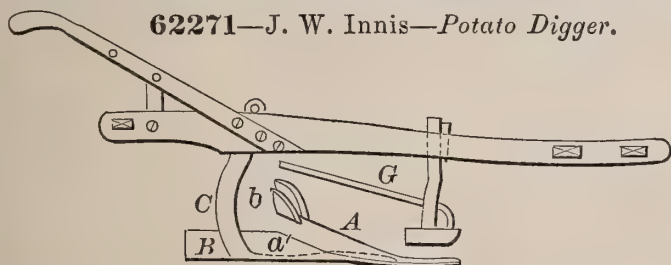
62270—M. C. Hull—Cooking Range.



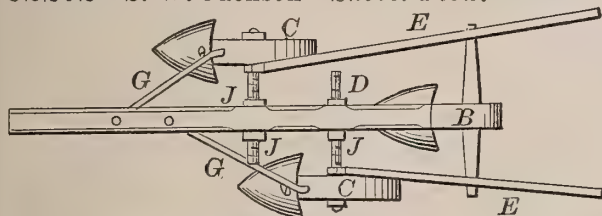
62273—W. W. Johnson—Road Sweeper.



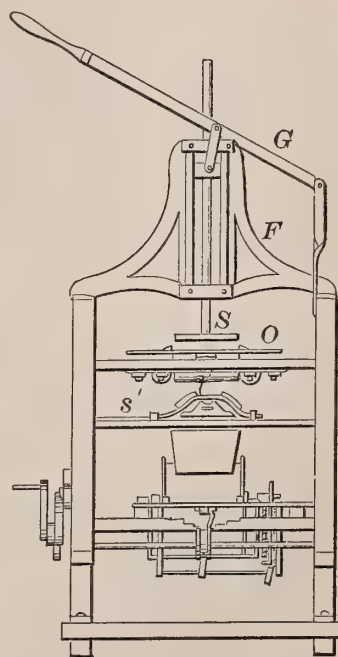
62271—J. W. Innis—Potato Digger.



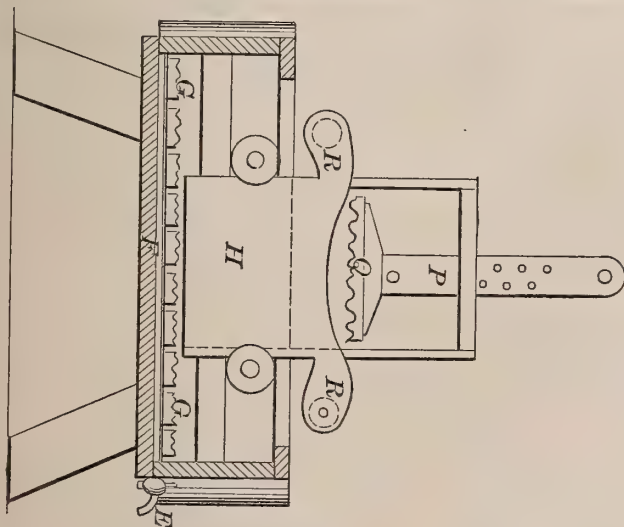
62272—S. W. Jackson—Shovel Plow.



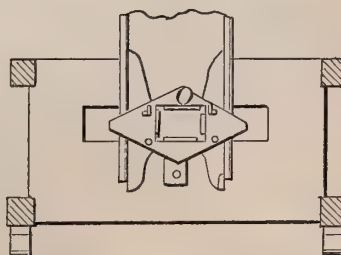
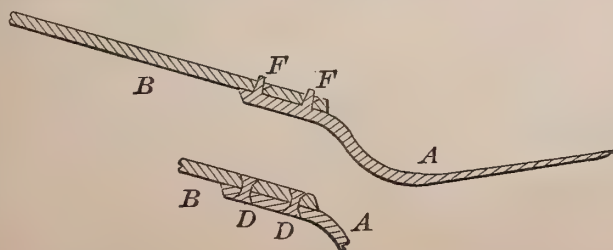
62274—J. M. D. Keating—Envelope Machine.



62275—J. King—Washing Machine.



62276—J. C. Klein—Flesh Hook.





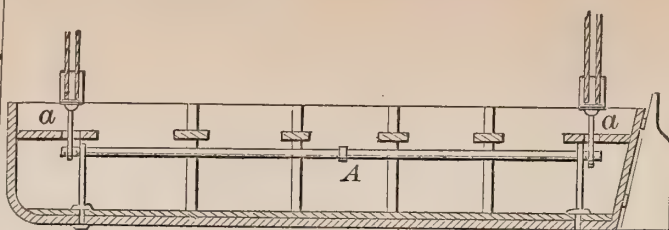
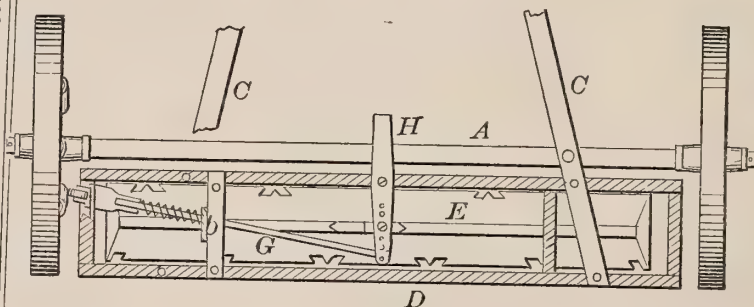
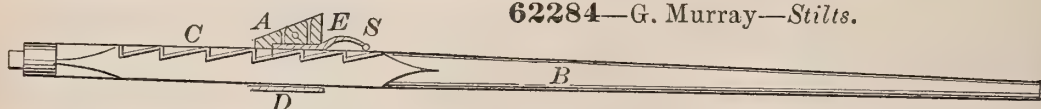
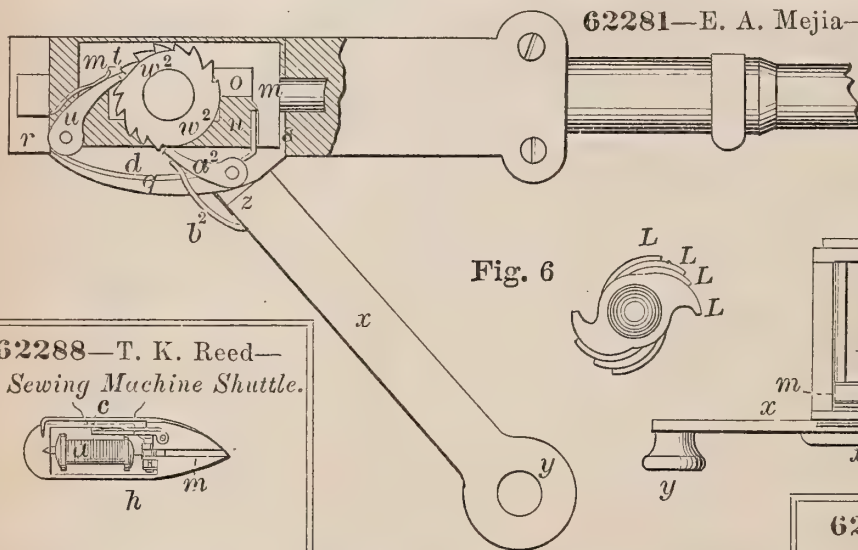
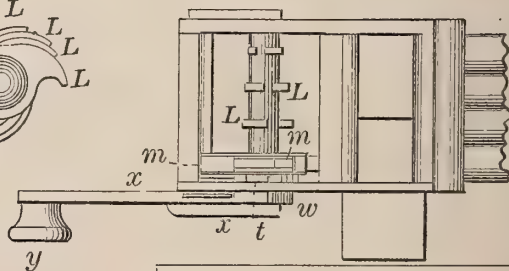
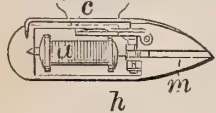
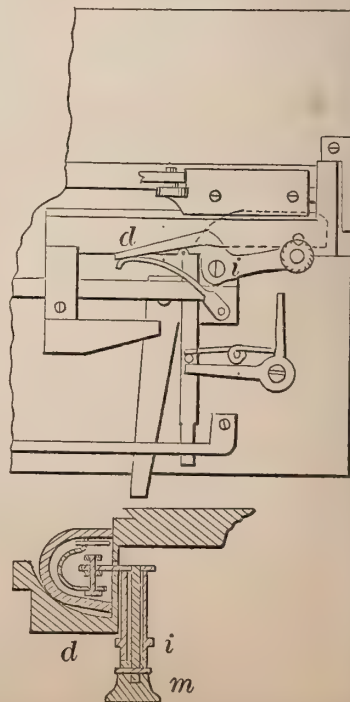
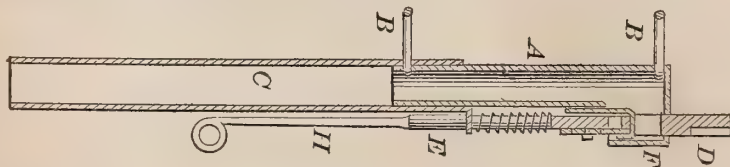
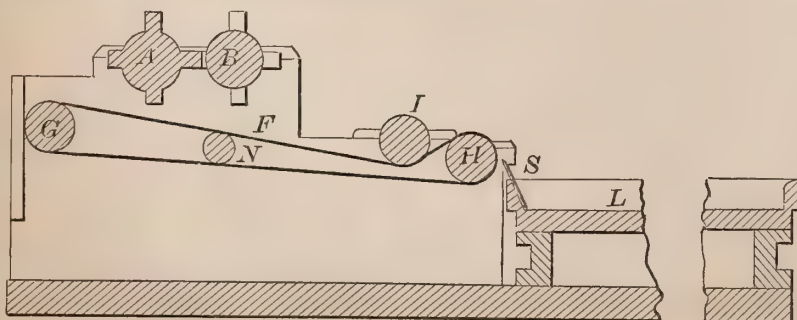
62279—G. B. Massey—*Boat Detaching Tackle.*62286—D. R. Prindle—*Seed Sower.*62284—G. Murray—*Stilts.*62281—E. A. Mejia—*Many Barreled Gun.*

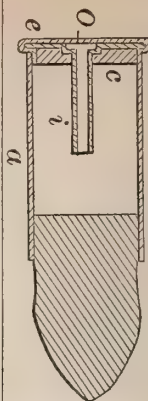
Fig. 6



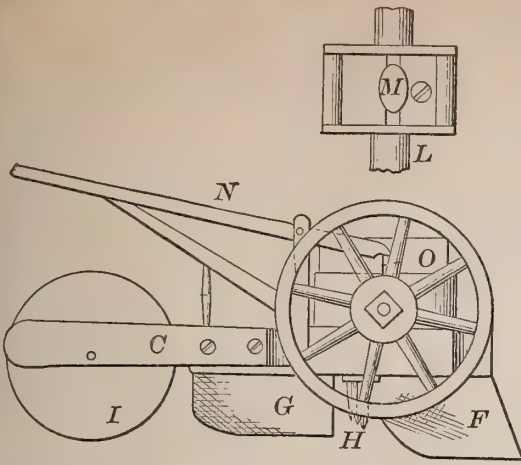
Fig. 1

62288—T. K. Reed—*Sewing Machine Shuttle.*62287—T. K. Reed—*Sewing Machine.*62280—H. Maxell—*Corn Planter.*62289—S. Root—*Peat Machine.*62283—L. M. Milbank—*Priming*

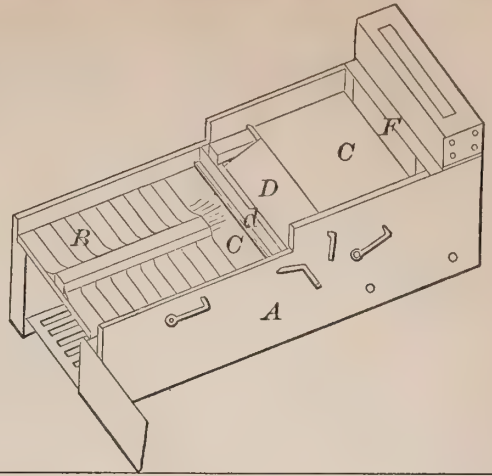
Metallic Cartridges.

62285—  
L. A. Peck—*Thimble.*

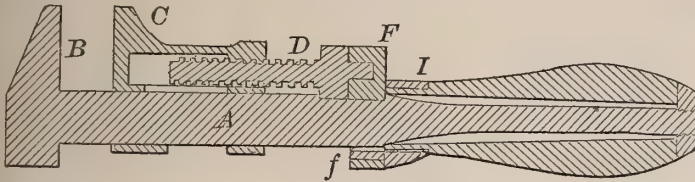
62290—D. Ruppart—*Corn Planter.*



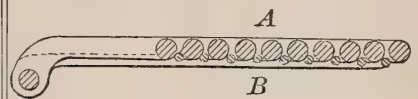
62292—S. M. Shattuck—*Sugar Evaporator.*



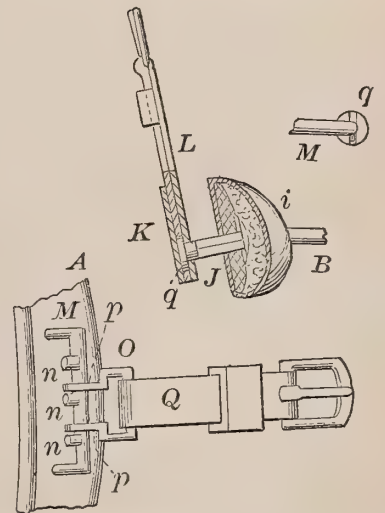
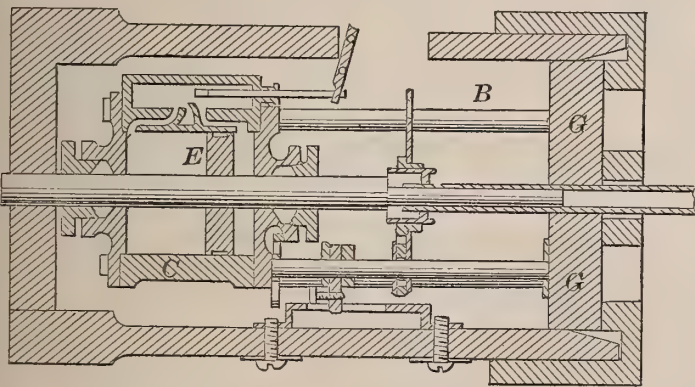
62291—J. B. Savage—*Wrench.*



62294—J. B. Siccardi—*Hair Crimper.*

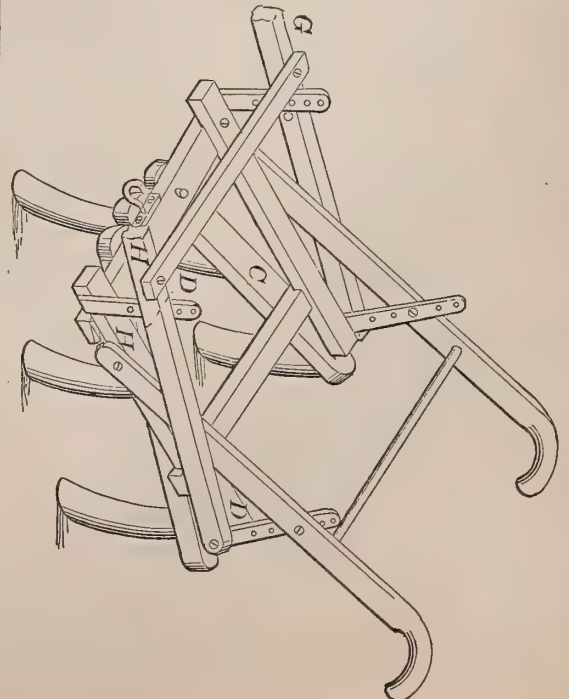


62293—Shipman & Hendryx—*For Extending Tubing.*

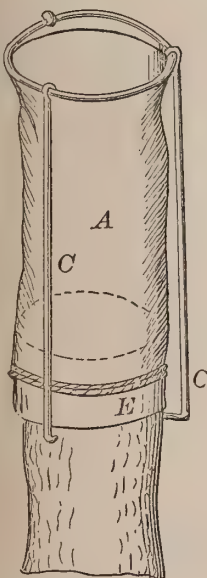


62301—J. C. Tredway—*Horse Collar.*

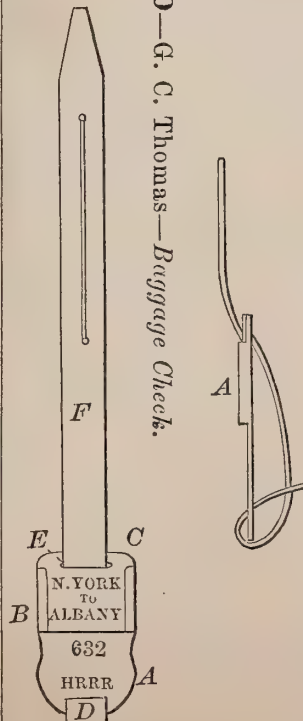
62302—L. G. Tuttle—*Cultivator.*



62295—W. B. Smith—*For Sawing Timber.*



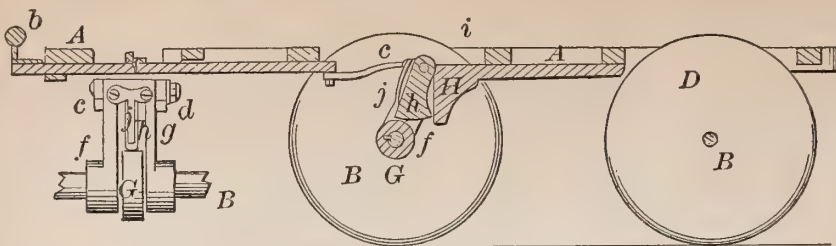
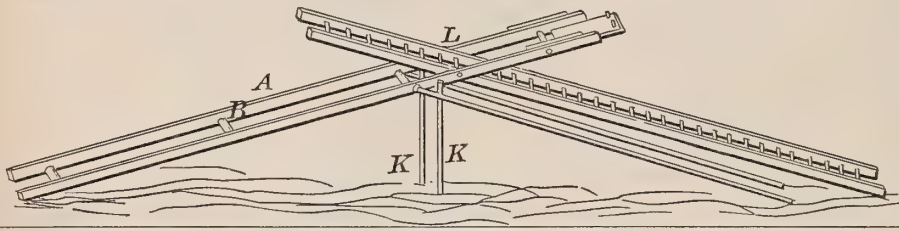
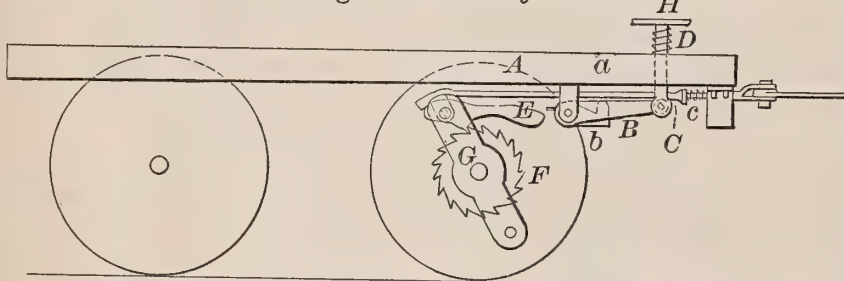
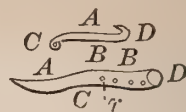
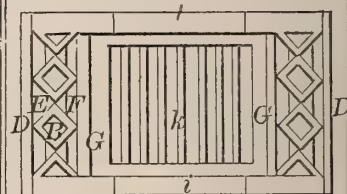
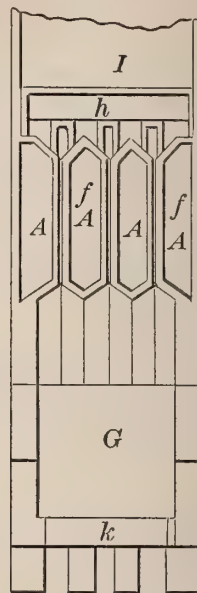
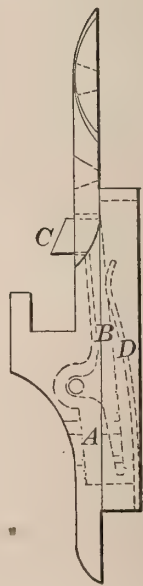
62300—G. C. Thomas—*Baggage Check.*



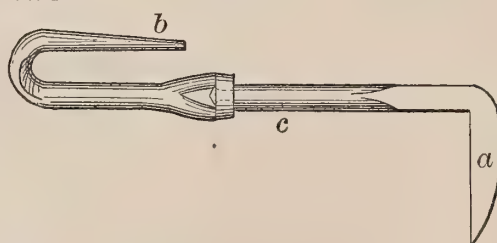
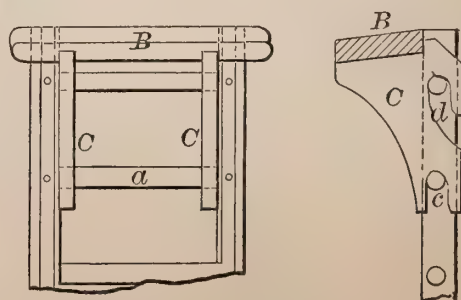
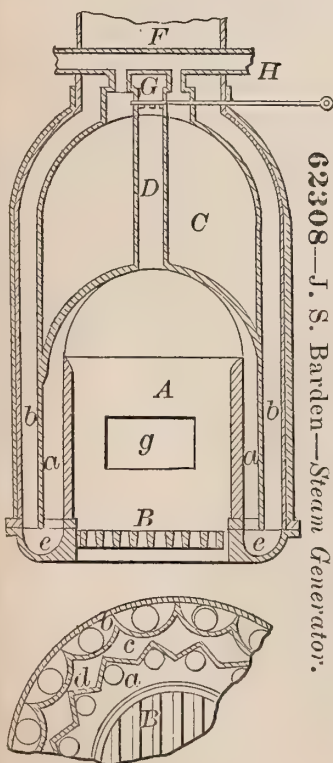
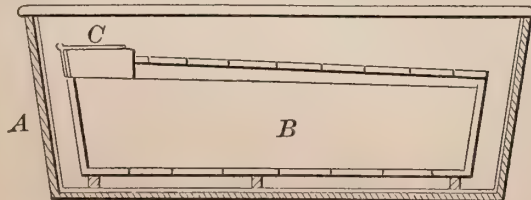
62296—S. W. Stockton—*Artificial Teeth.*



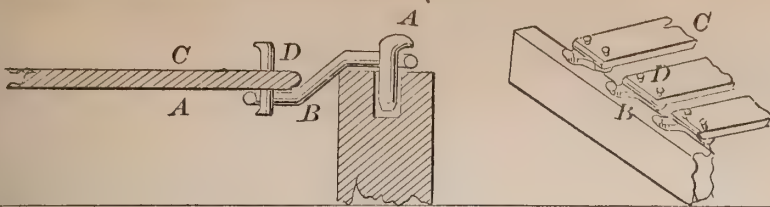


**62303**—A. A. Wilder—*Car Starter.***62305**—H. O. Baker—*Ladder.***62304**—A. S. Armstrong—*For Starting Street Cars.***62306**—I. Banister—*Shoe Clasp.***62307**—J. S. Barden—*Steam Generator.***62311**—S. B. Bowles—*Car Seat Lock.***62313**—C. W. Bryan—*Calendar.*

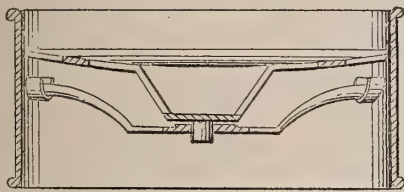
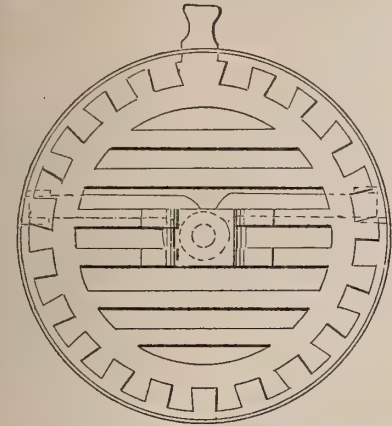
JANUARY						
B						
Sun	Mon	Tu	We	Th	Fr.	Sat.
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7	8	9	10	11	12	13
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21	22	23	24	25	26	27
28	29	30	31			

**62309**—A. M. Beard—*Saw Mill Dog.***62314**—M. Burt—*Ladder.***62310**—G. D. Blocher—*Corpse Preserver.***62308**—J. S. Barden—*Steam Generator.*

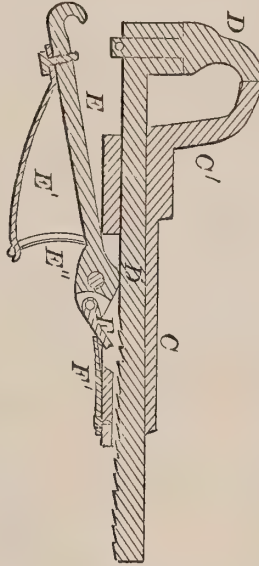
62315—J. B. Campbell—*Bed Bottom.*



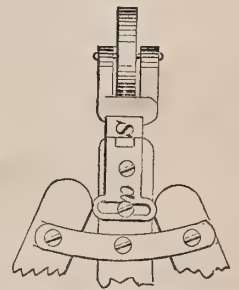
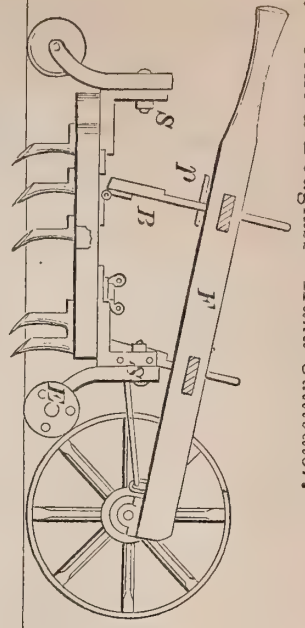
62316—J. C. Cochrane—*Grate.*



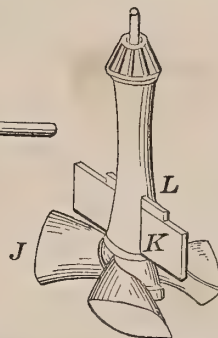
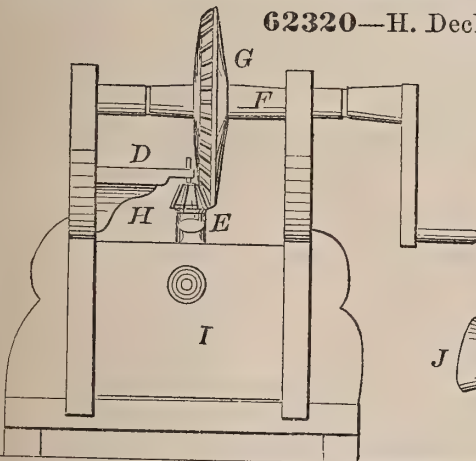
62319—P. Crowl—*Vise.*



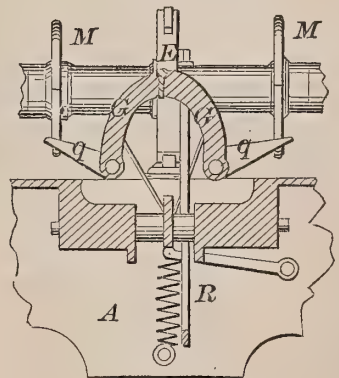
62317—Cone & Douglass—*Hand Cultivator.*



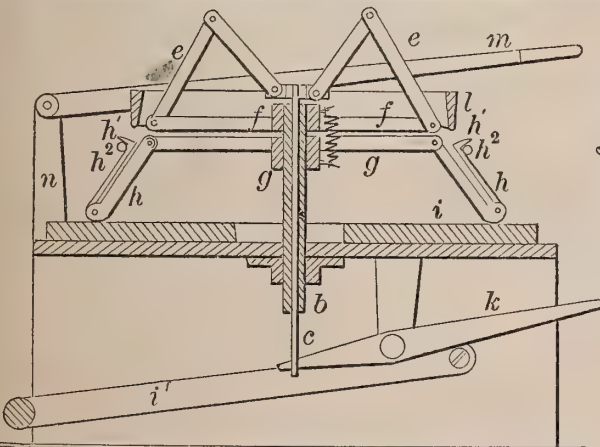
62320—H. Decker—*Churn.*



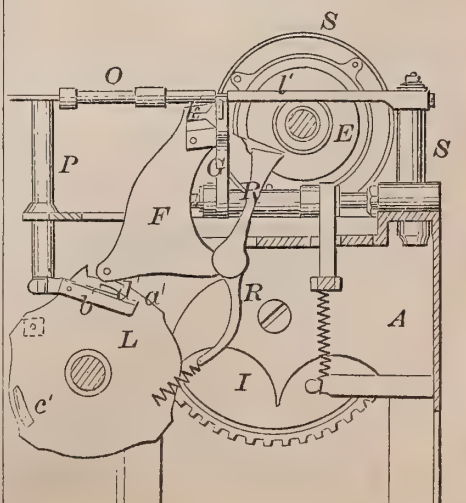
62322—L. H. Dwelley—*Horse Shoe Nail Machine.*



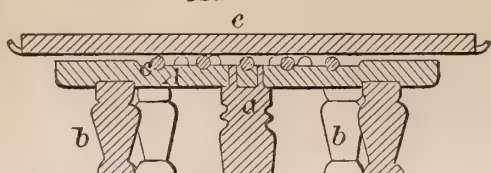
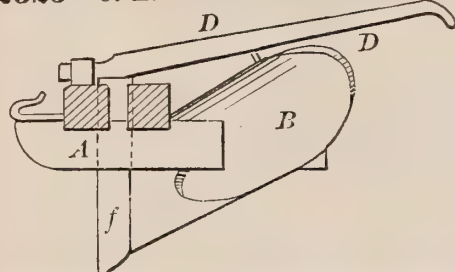
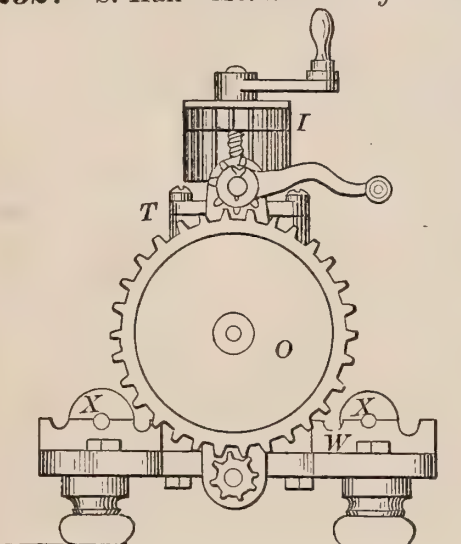
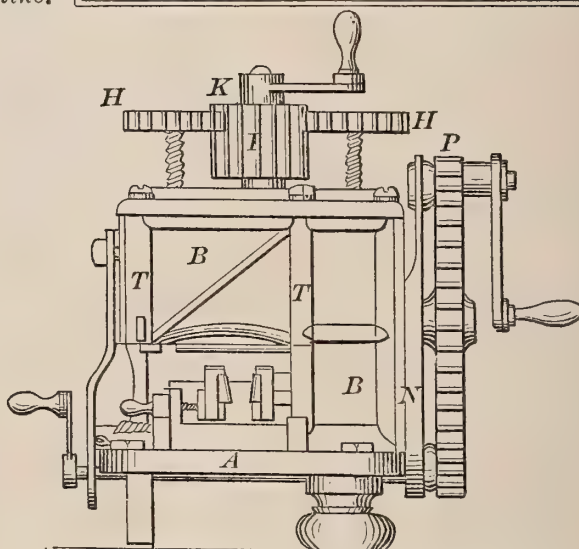
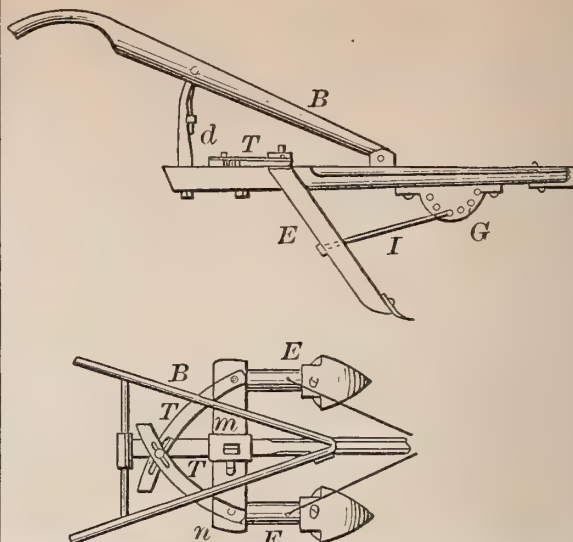
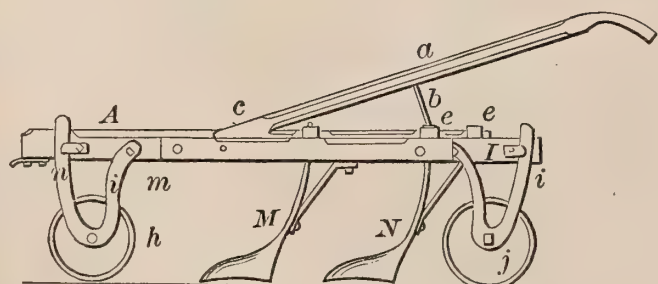
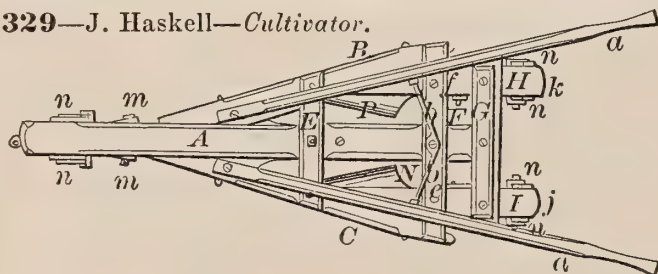
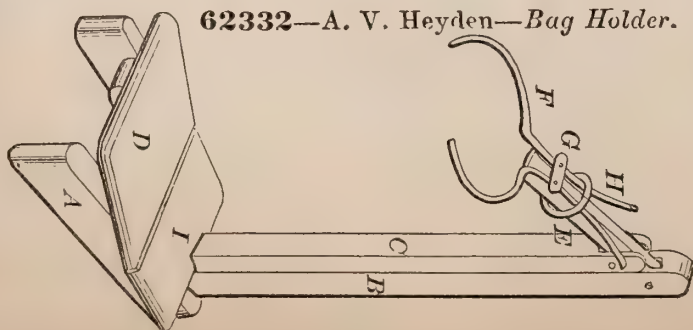
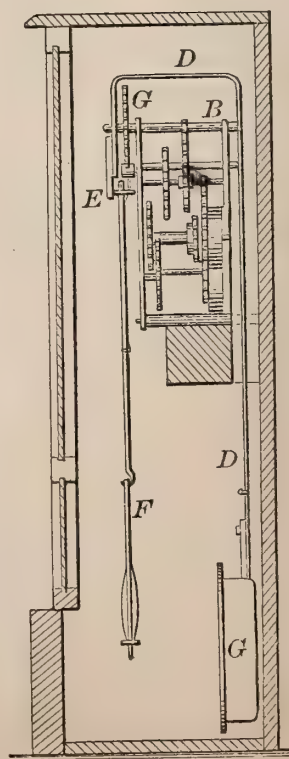
62321—J. De La Mar—*Hat Blocking Machine.*



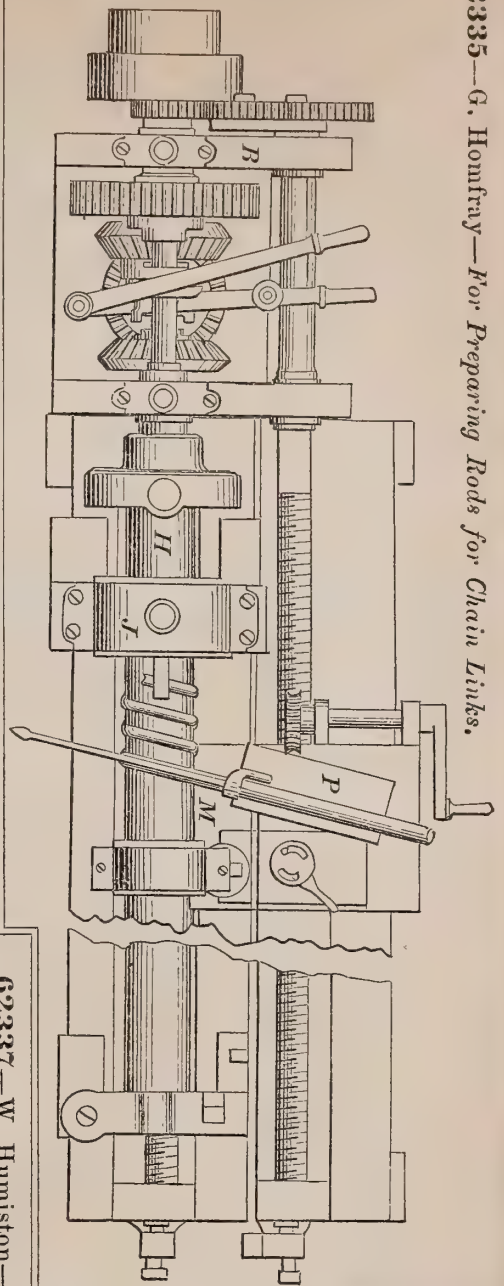
62323—G. F. Fessenden—*For Rolling and Spreading Dough.*



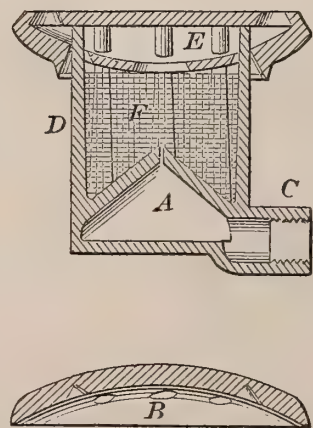


**62324**—E. Fitzhenry—*Leather Dressing Machine.***62325**—C. L. Fleischmann—*Plow.***62327**—S. Hall—*Metal Bending Machine.***62326**—C. S. Gwinnup—*Cultivator.***62329**—J. Haskell—*Cultivator.***62332**—A. V. Heyden—*Bag Holder.***62330**—G. Heninger—*Suspending Clock Pendulums.*

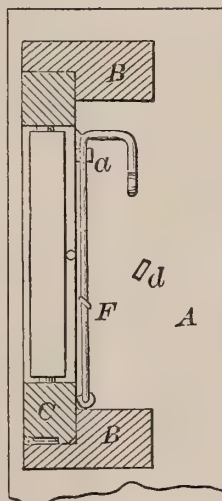
62335—G. Homfray—For Preparing Rods for Chain Links.



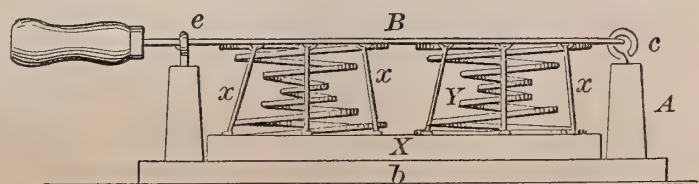
62339—W. E. Jervey—Petroleum Stove Burner.



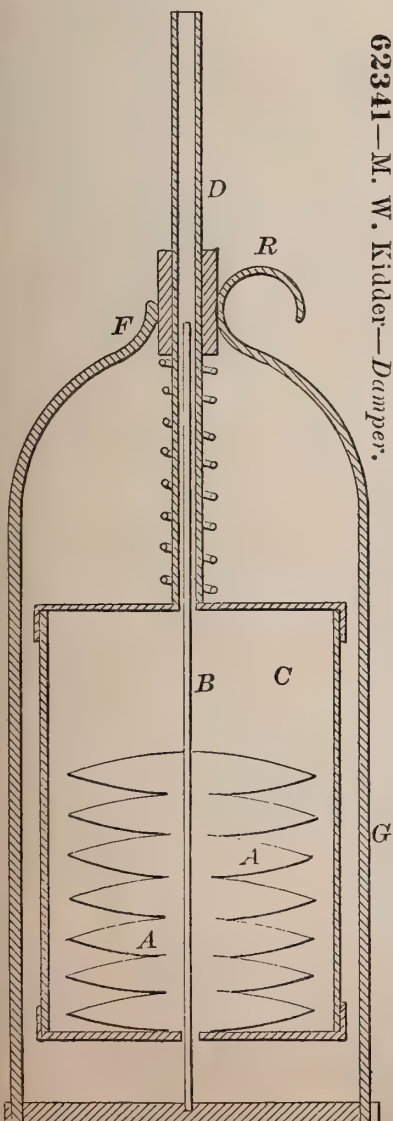
62337—W. Humiston—Blind Fastening.



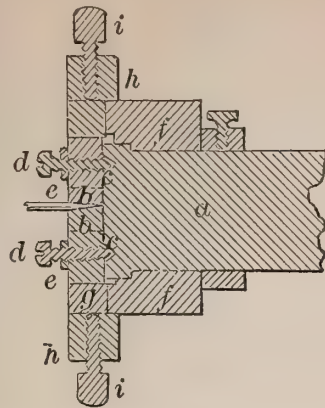
62340—E. F. Johns—For Applying Springs to Cushions.



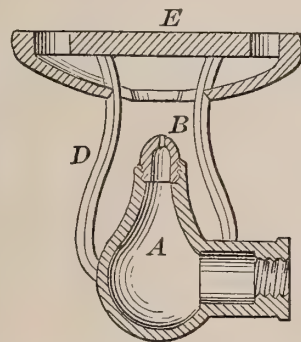
62341—M. W. Kidder—Damper.



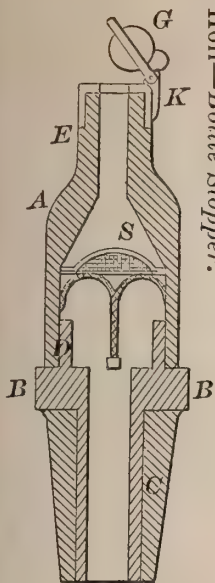
62336—Hopson & Brooks—Wire Pointing and Reducing.



62338—W. E. Jervey—Petroleum Stove Burner.

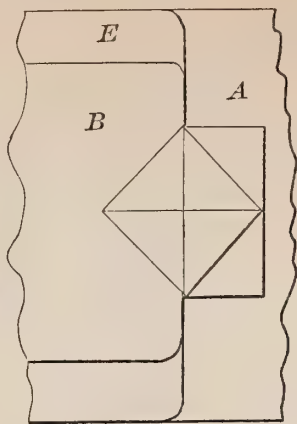


62333—H. Holl—Bottle Stopper.

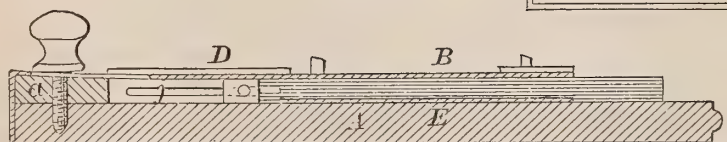
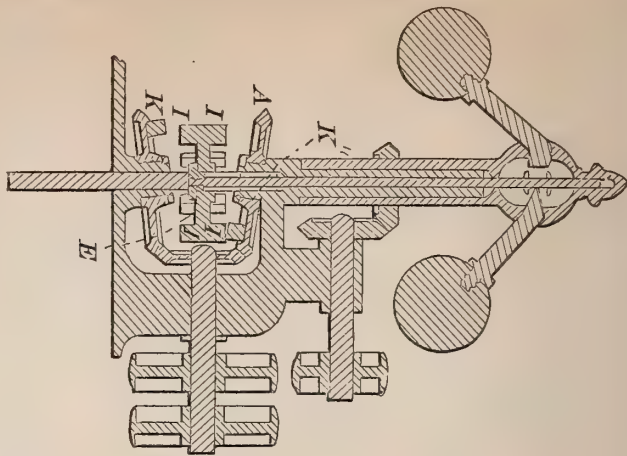




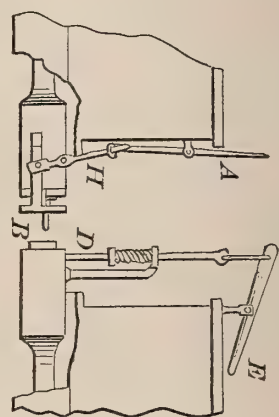
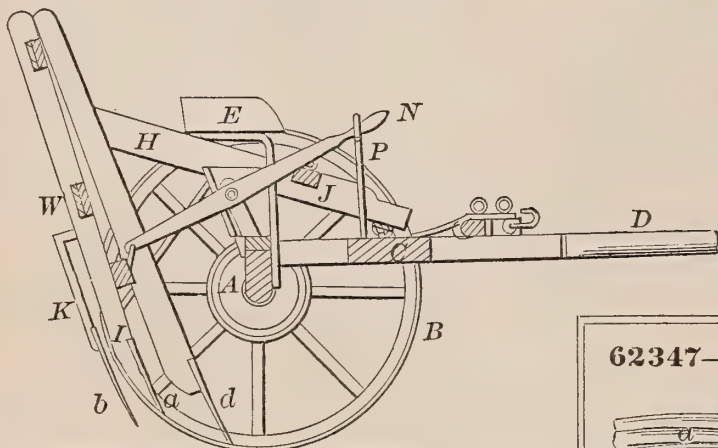
**62342**—Kirk & Howlett—*Paper Bag Manufacture.*



**62343**—W. A. L. Kirk—*Governor.*



**62344**—Lane & Coulter—*Cultivator.*

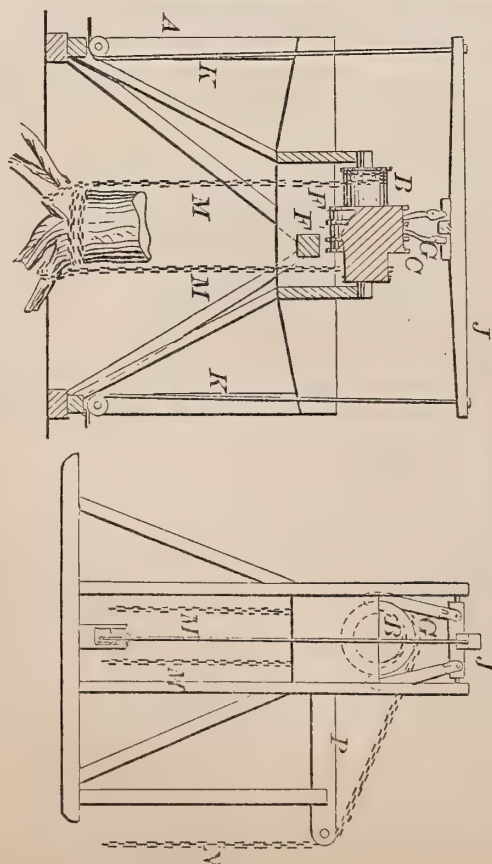
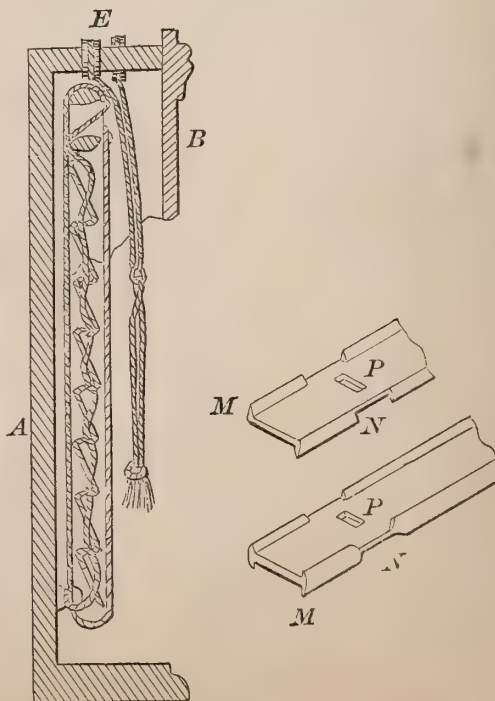


**62345**—Leib & Hornbeek—*Car Coupling.*

**62347**—W. B. Link—*Mop Cloth.*

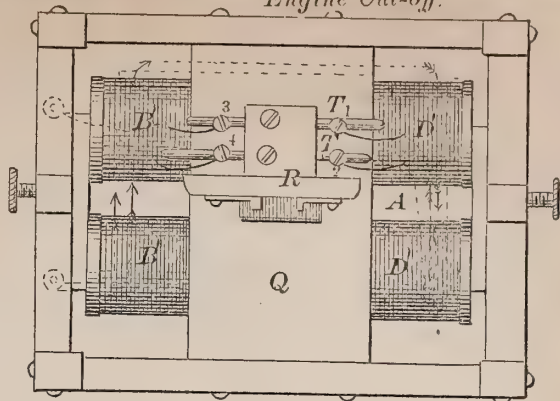


**62348**—F. Little—*Blind Slat.*

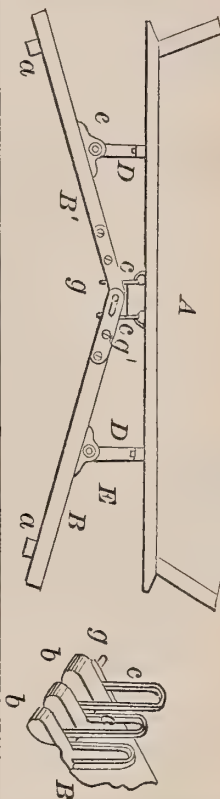


**62346**—H. Lemm—*Stump Extractor.*

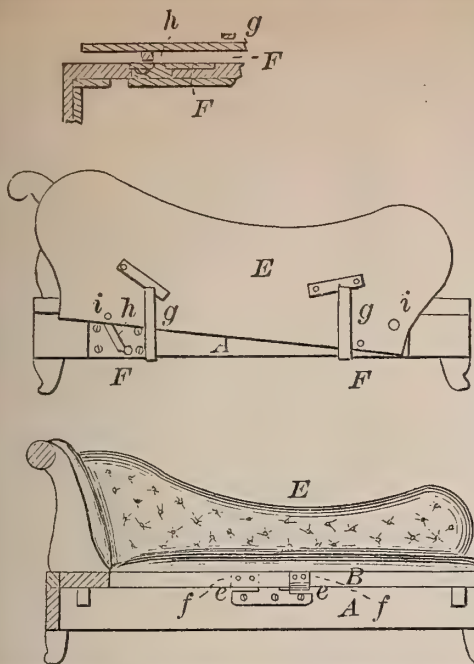
62352—L. H. McCullough—*Electro-Magnetic Engine Cut-off.*



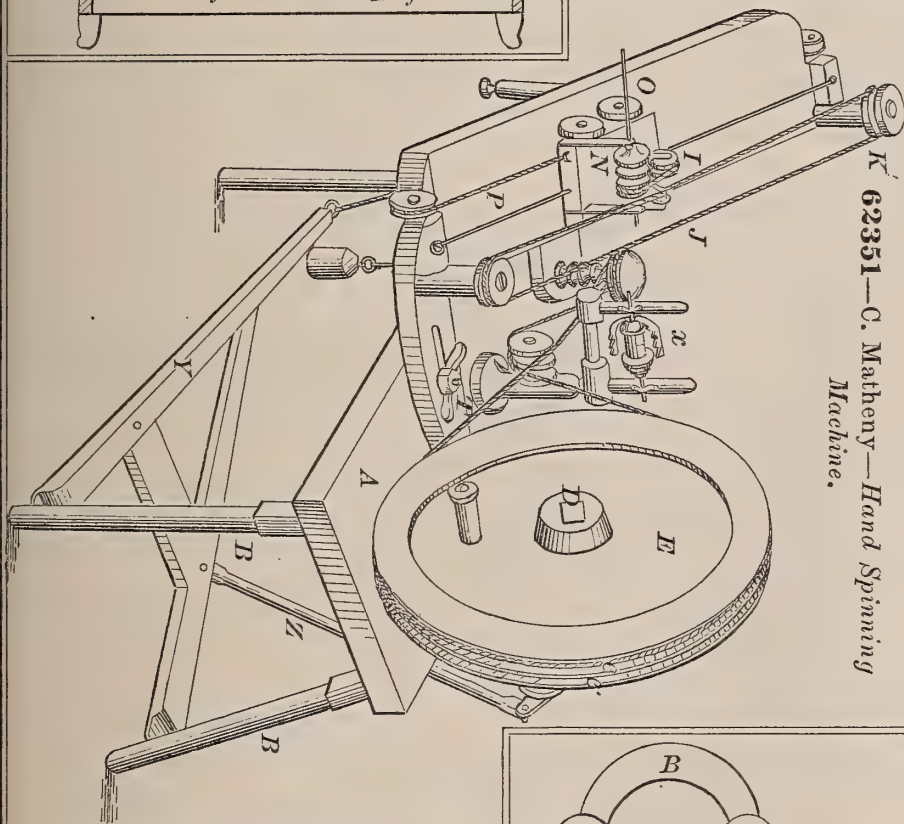
62350—H. W. Mapes, Jr.—*Vehicle Spring Seat.*



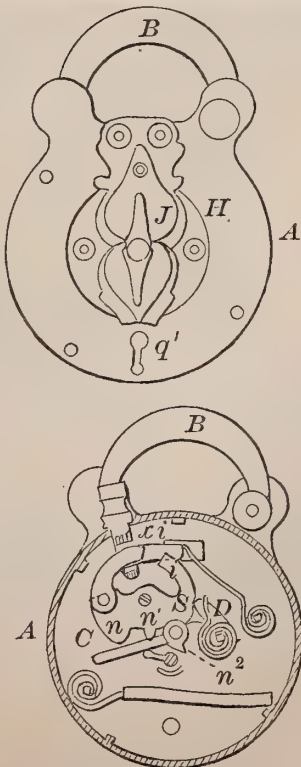
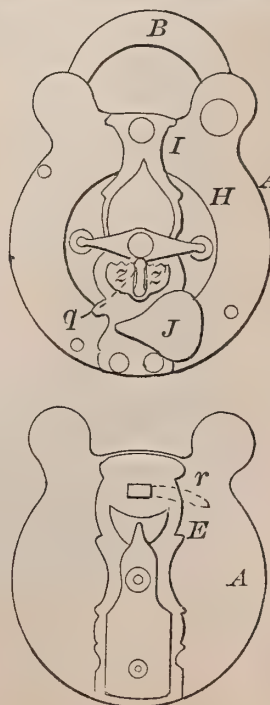
62349—S. Lloyd—*Reversible Lounge.*



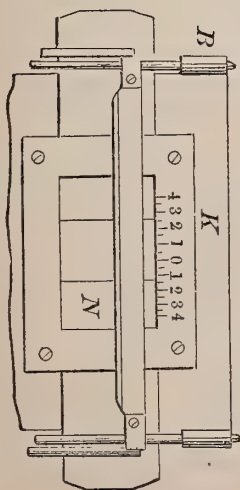
62351—C. Matheny—*Hand Spinning Machine.*



62353—C. H. Miller—*Padlock.*

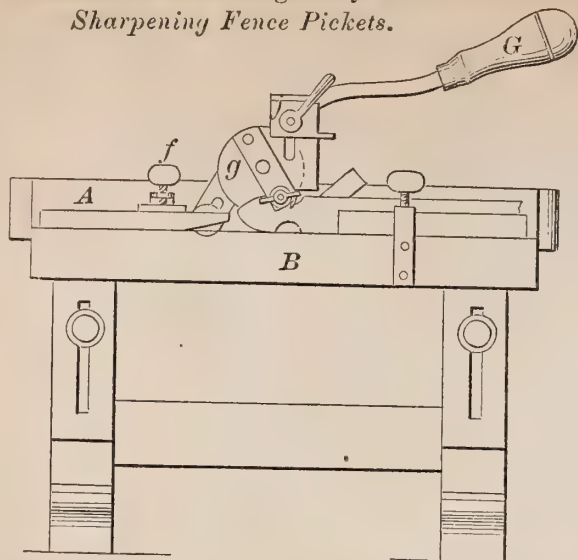


62354—E. L. Moeschler—*For Gauging Loaves of Bread.*

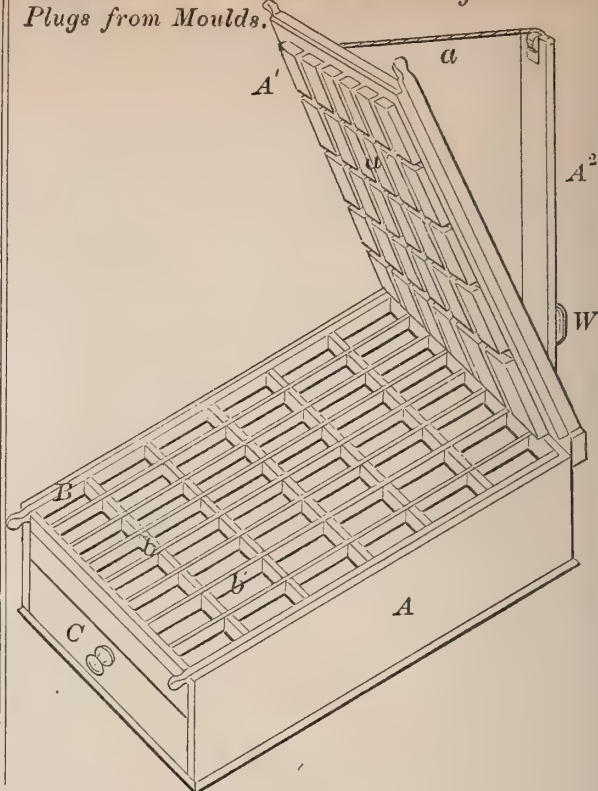




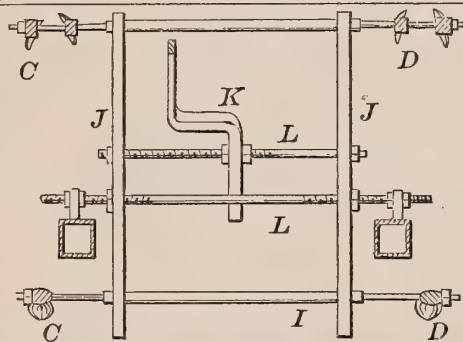
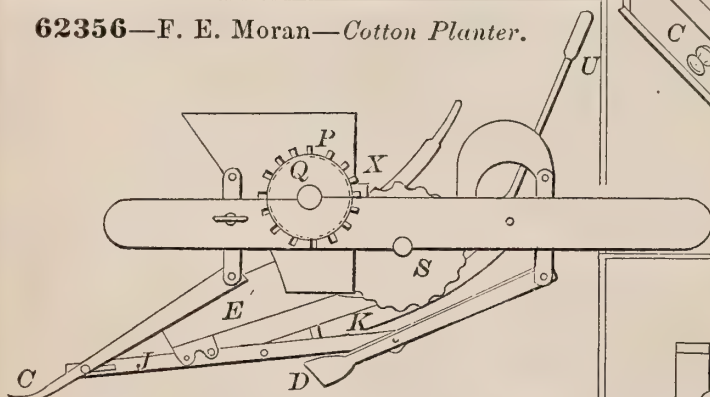
**62355**—J. A. Montgomery—*For Sharpening Fence Pickets.*



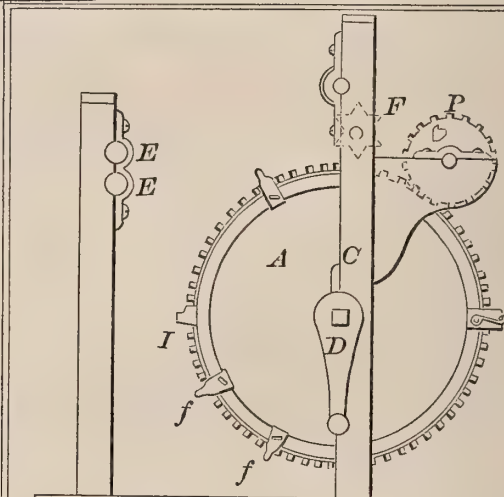
**62358**—G. Neudecker—*Removing Tobacco Plugs from Moulds.*



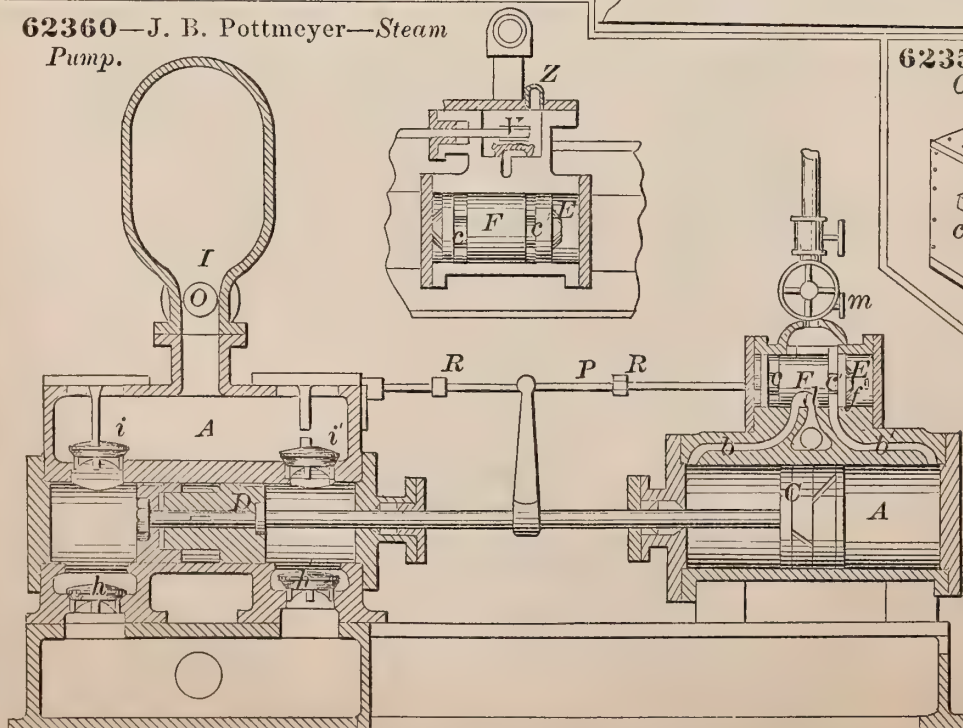
**62356**—F. E. Moran—*Cotton Planter.*



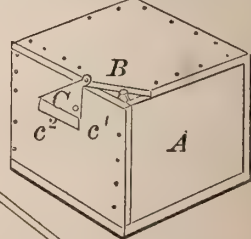
**62359**—Perkins & Gilbert—*Hoop Skirt Machine.*



**62360**—J. B. Pottmeyer—*Steam Pump.*



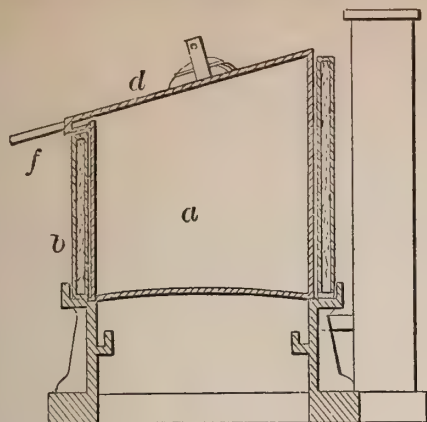
**62357**—E. A. More—*Oil Can Cover.*



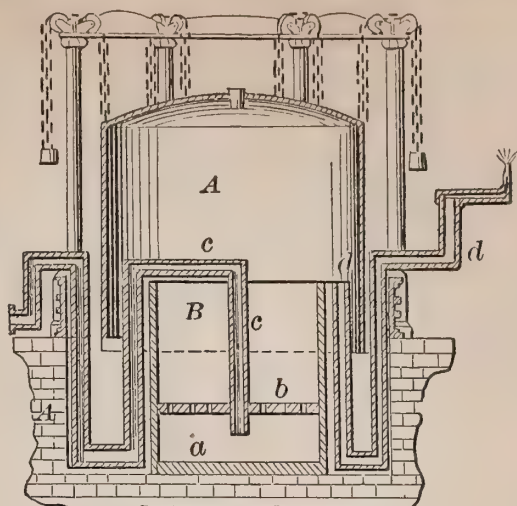
**62361**—D. R. Pratt—*Pin.*



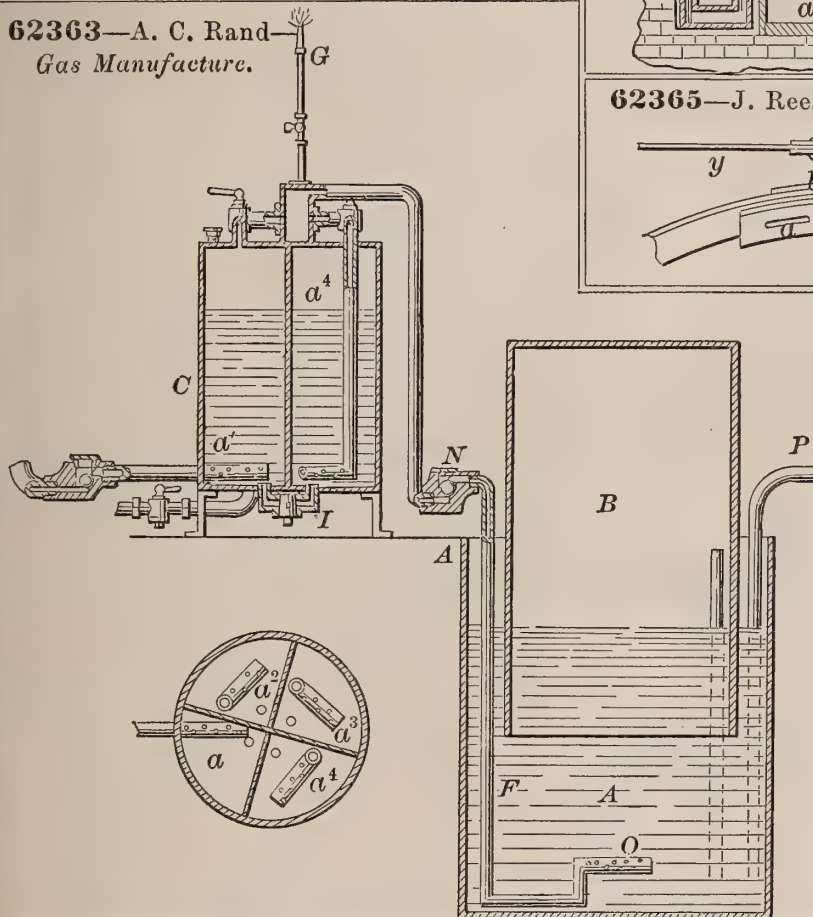
62362—A. C. Rand—Still.



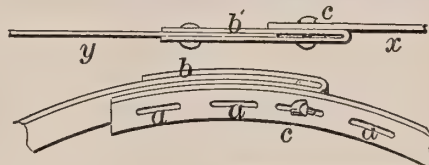
62364—A. C. Rand—For Carburetting Air.



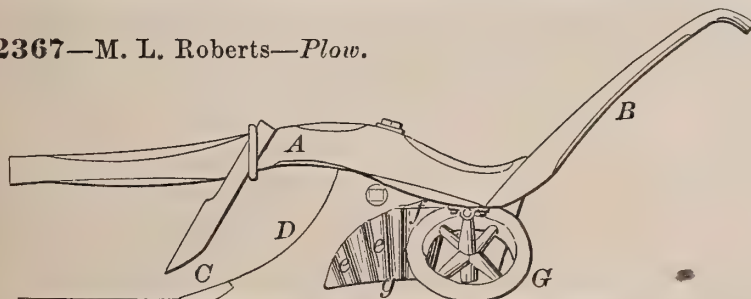
62363—A. C. Rand—  
Gas Manufacture.



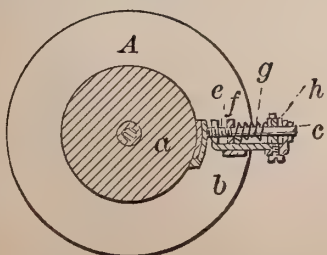
62365—J. Reese—Cotton Bale Tie.



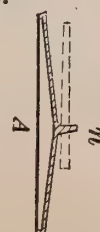
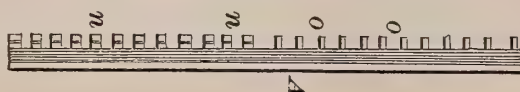
62367—M. L. Roberts—Plow.



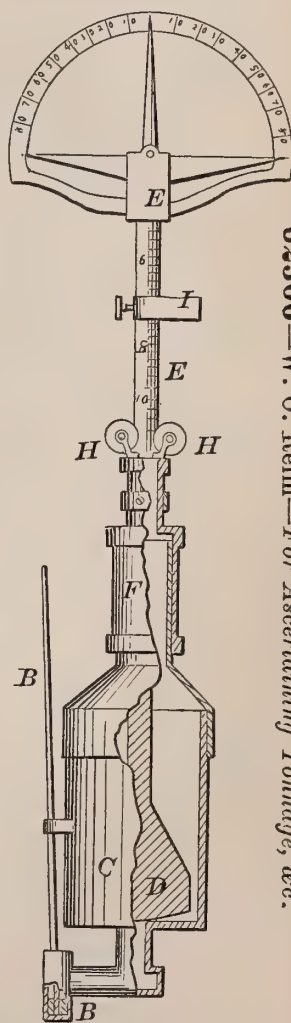
62369—B. Saunders—  
Warp Dresser.



62368—I. A. Salmon—Dentist's Tool Rack.

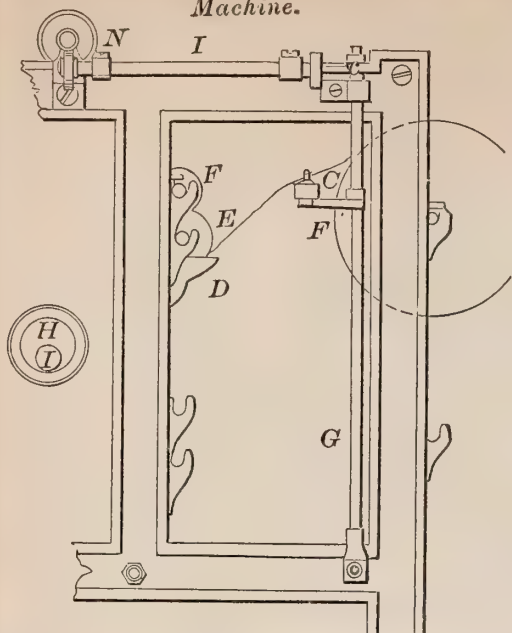


62366—W. O. Reim—For Ascertaining Tonnage, &c.

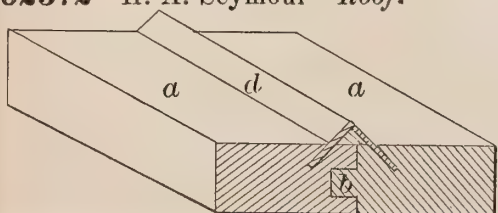




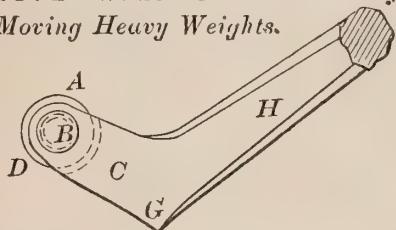
**62370**—B. Saunders—*Warp Dressing Machine.*



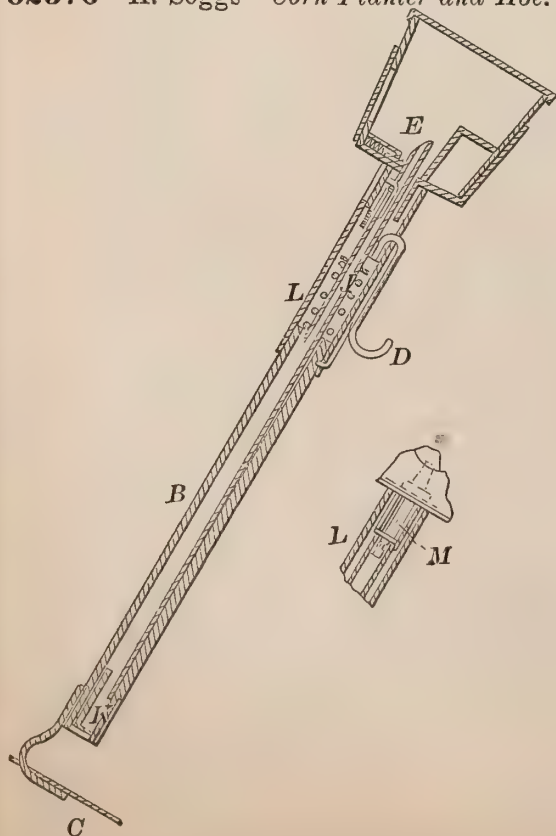
**62372**—H. A. Seymour—*Roof.*



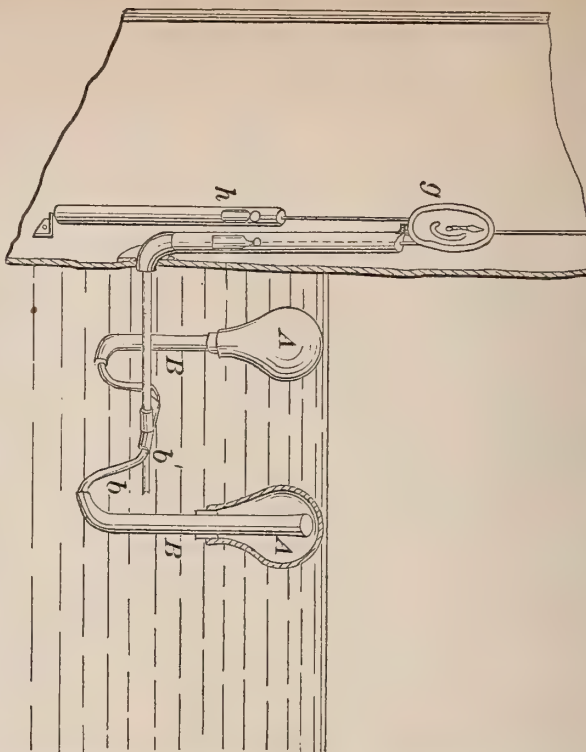
**62374**—W. Siefert—*Pinch Bar for Moving Heavy Weights.*



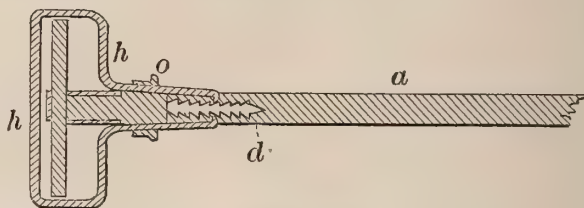
**62376**—H. Soggs—*Corn Planter and Hoe.*



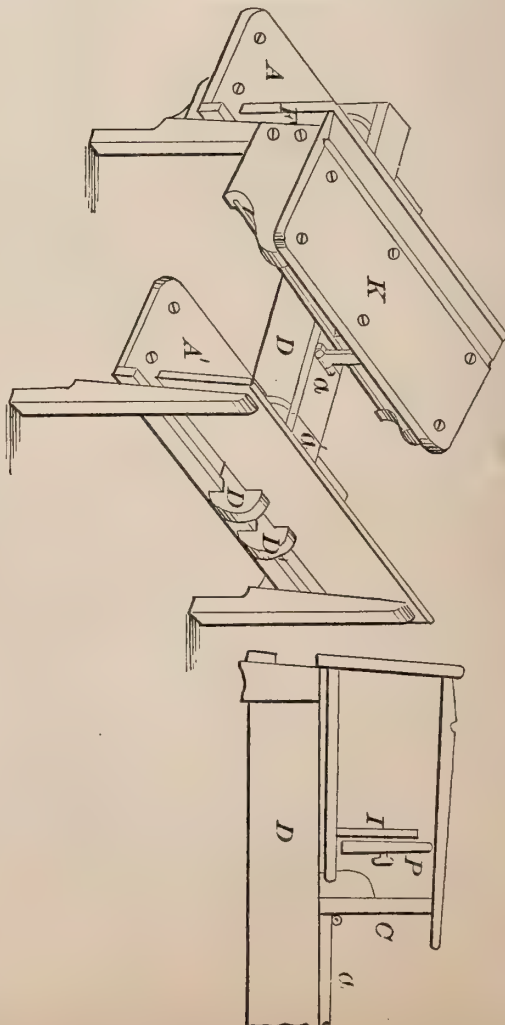
**62371**—R. Savage—*Thermo-Alarm Gauge.*



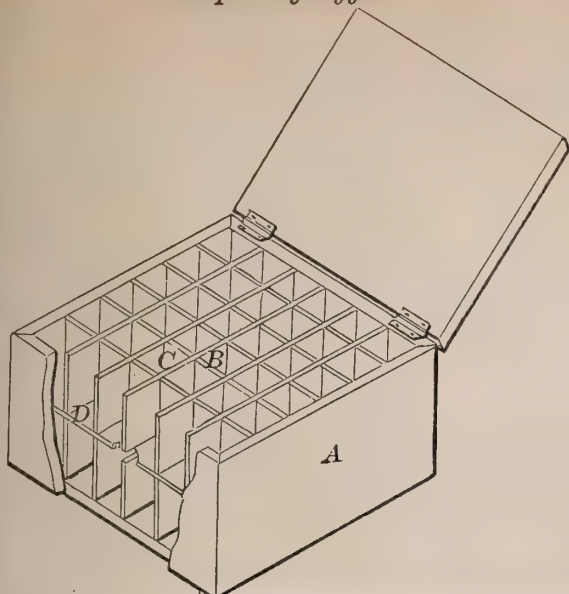
**62373**—J. W. Shaw—*Mop Head.*



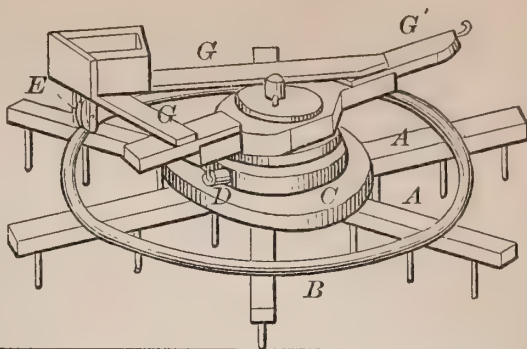
**62375**—J. Smith—*School Desk.*



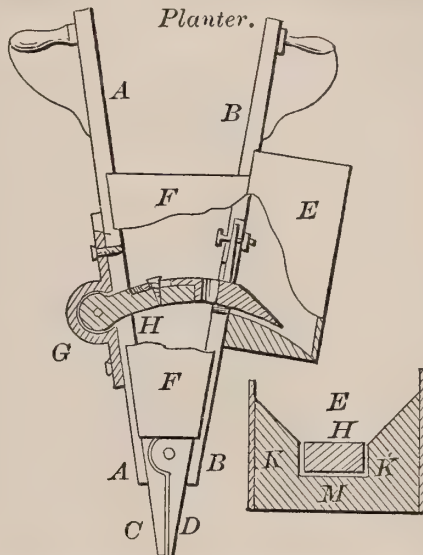
**62378**—J. L. & G. W. Stevens—*Case for Transporting Eggs.*



**62379**—H. C. Stoll—*Revolving Harrow.*



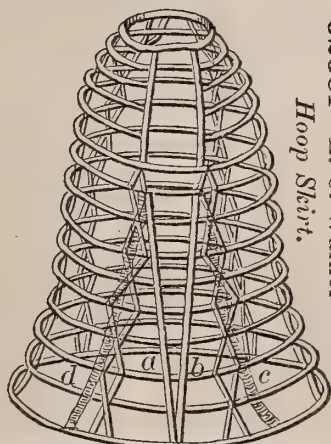
**62380**—J. P. V. Vleck—*Hand Corn Planter.*



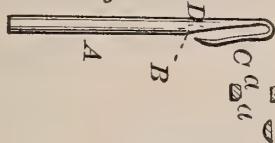
**62383**—H. Waterman—*Weather Strip.*



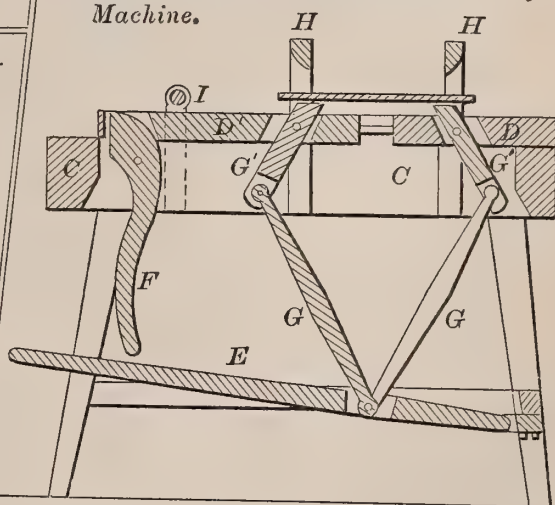
**62381**—E. C. Walker—*Hoop Skirt.*



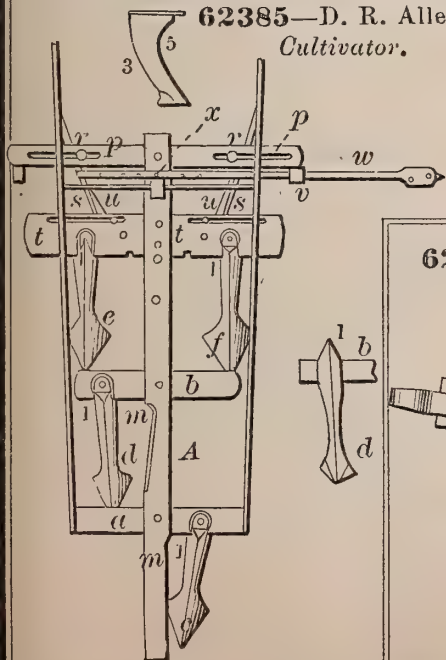
**62382**—C. P. S. Wardwell—*Knitting Machine Needle.*



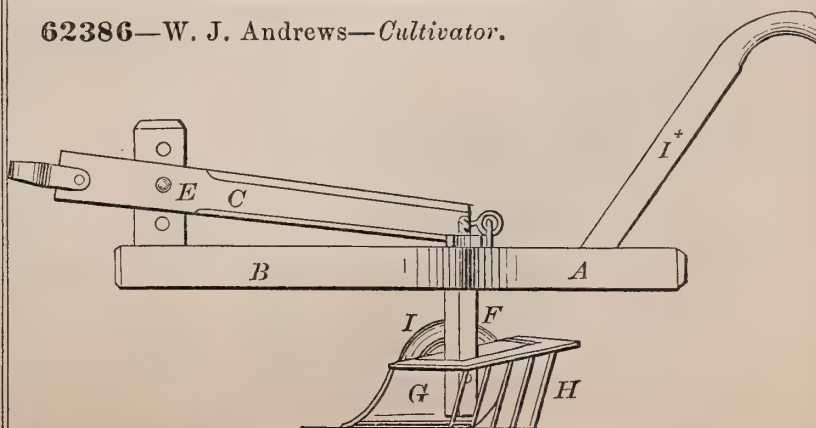
**62384**—A. E. Wing—*Tire Shrinking Machine.*



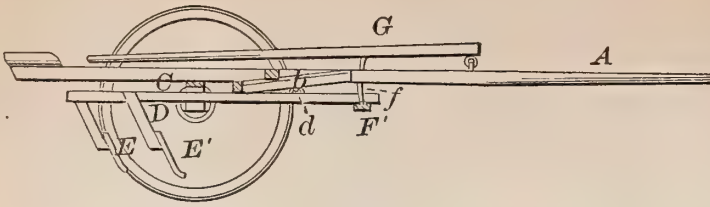
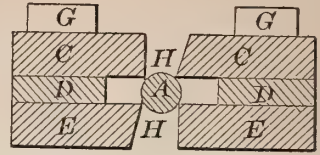
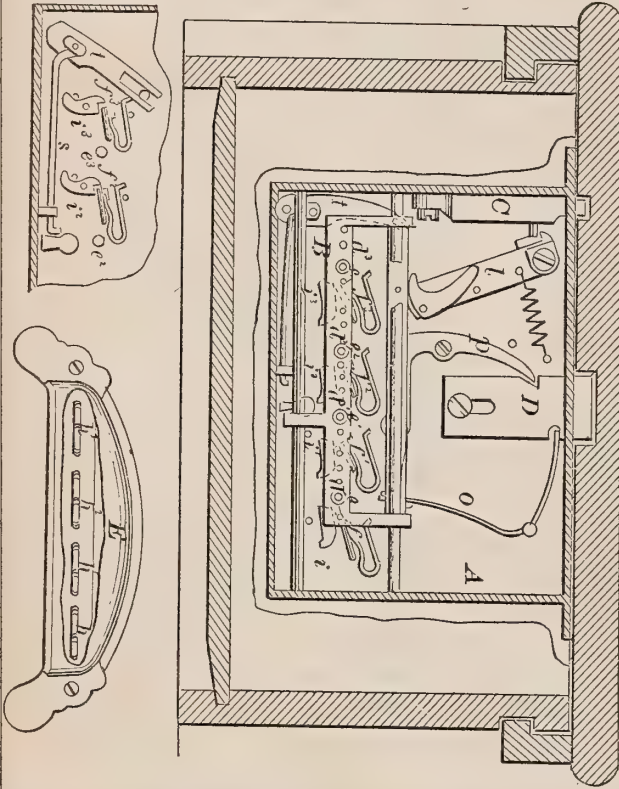
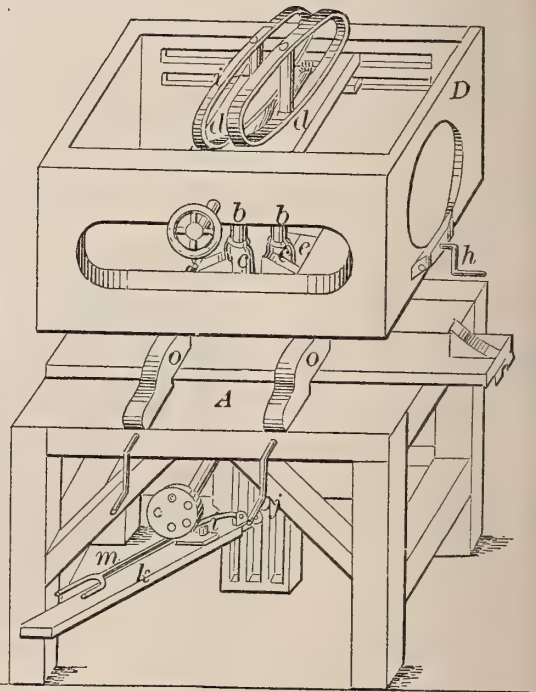
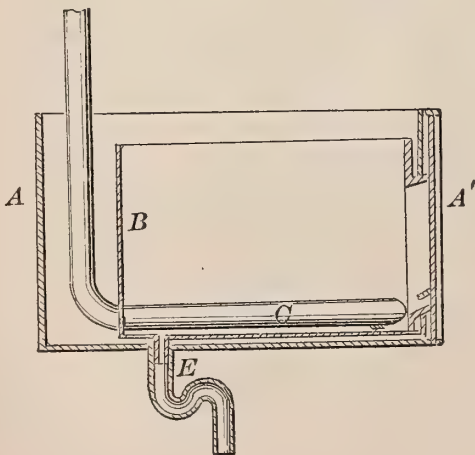
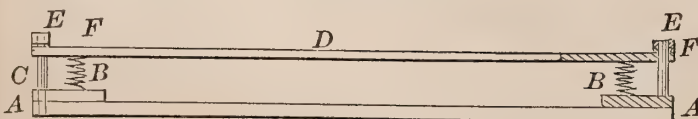
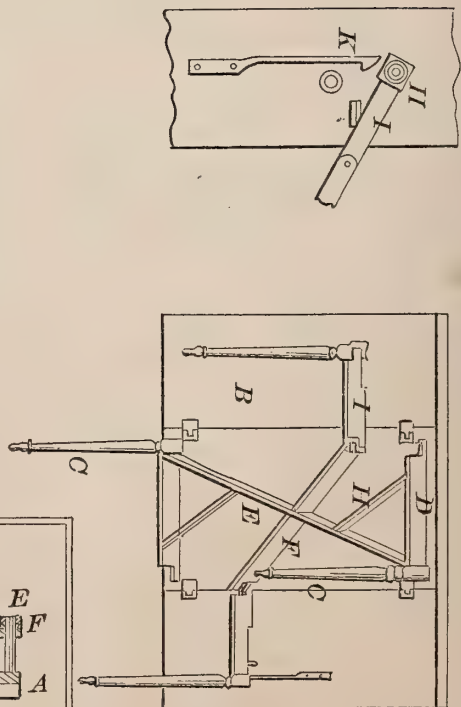
**62385**—D. R. Allen—*Cultivator.*



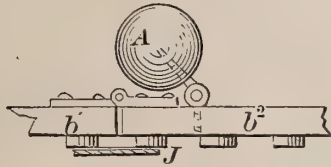
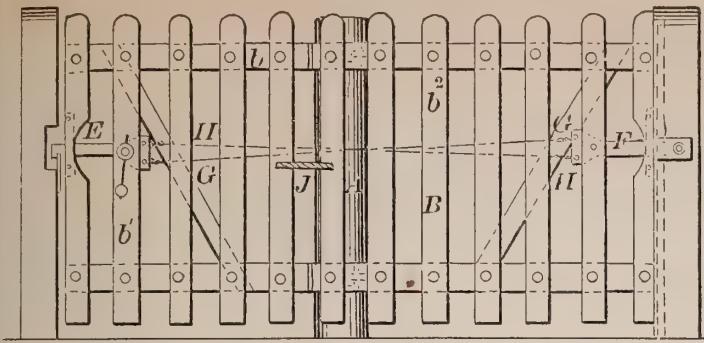
**62386**—W. J. Andrews—*Cultivator.*



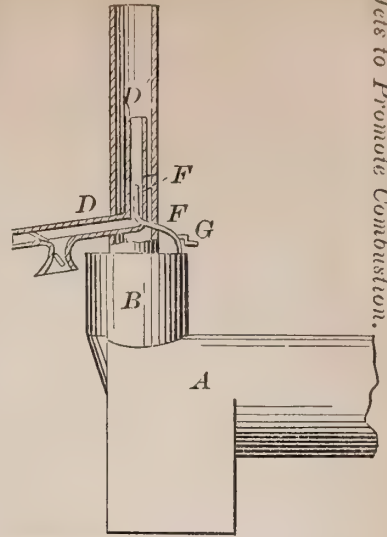


62387—O. J. Arnold—*Cultivator.*62390—L. Burns—*For Turning Bolts.*62388—E. A. Barrows—*Permutation Lock.*62394—J. G. Clifton—*Mortising Machine.*62392—J. W. Campbell—*Ice Box.*62395—H. A. Coats—*Bed Bottom.*62391—J. H. Bush—*Folding Table.*

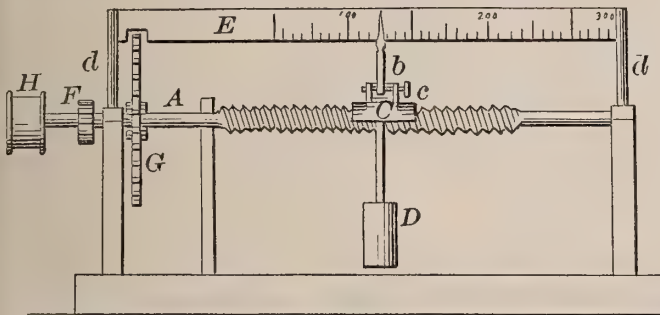
62396—R. Conway—Gate.



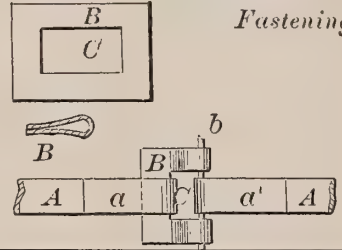
62397—G. M. Copeland—Air and Steam Jets to Promote Combustion.



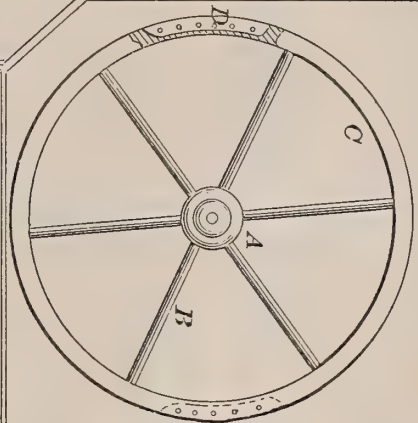
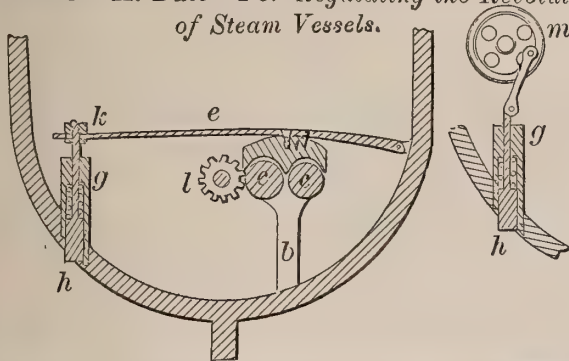
62398—C. Couse—Rope Machine Indicator.



62400—R. Dillon—Bale Hoop Fastening.

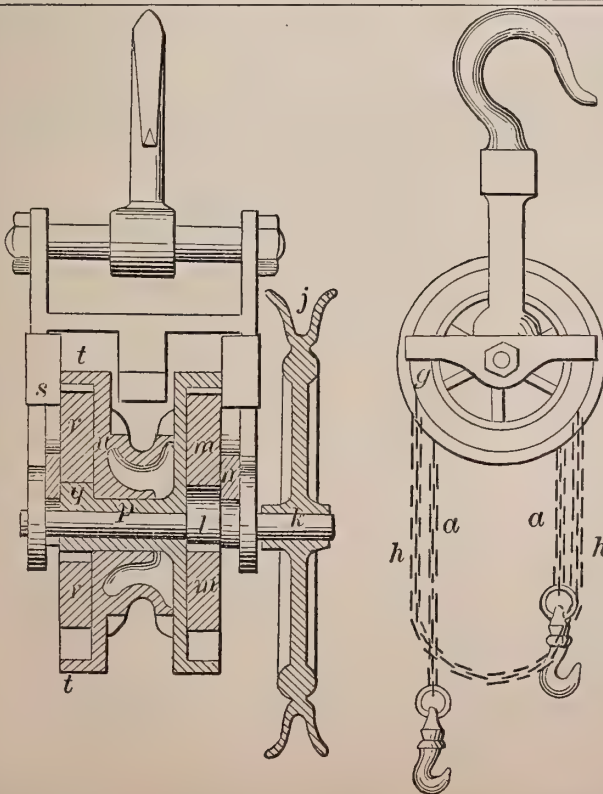


62399—H. Dale—For Regulating the Revolution of Steam Vessels.

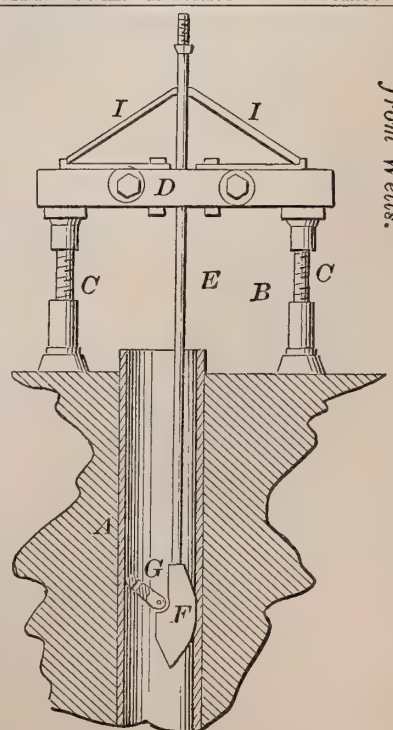


62402—C. F. Elliott—Vehicle Wheel.

62401—W. & W. T. Eades—For Raising Weights.

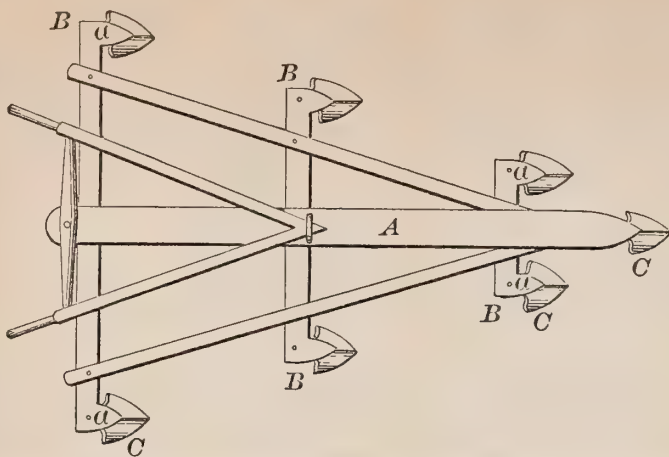


62404—Gile & Cochran—For Drawing Well Tubes from Wells.

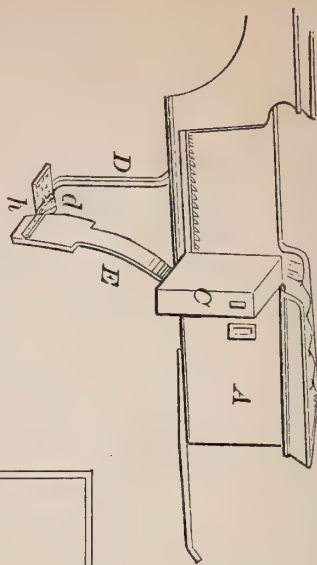




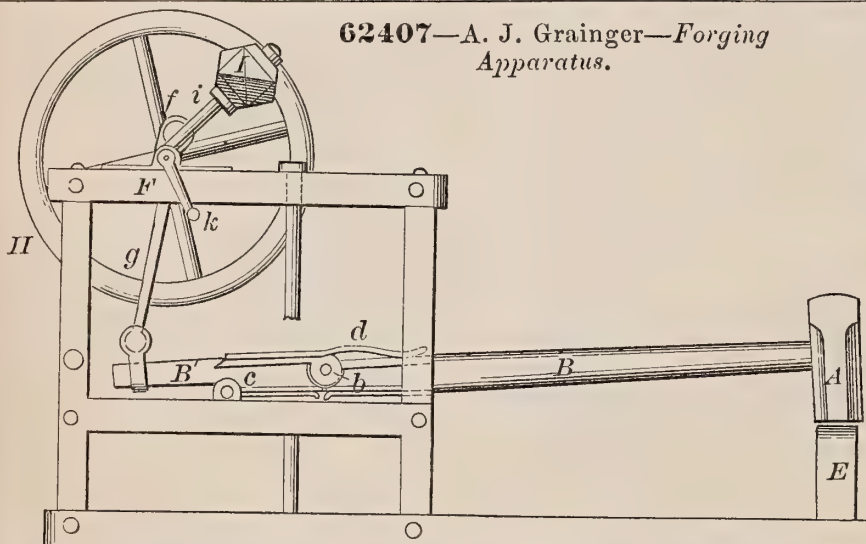
62405—J. Gilpatric—Cultivator.



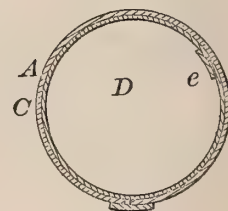
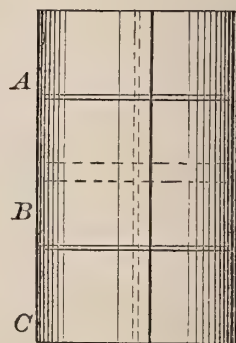
62406—J. W. Gosling—Carriage Step Cover.



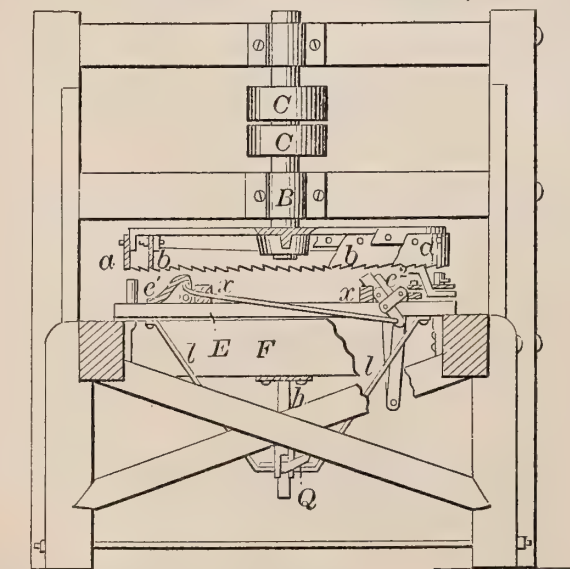
62407—A. J. Grainger—Forging Apparatus.



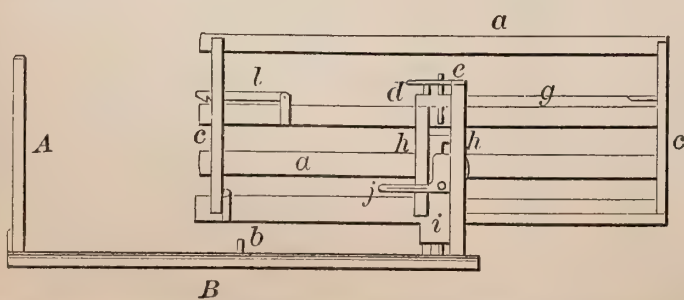
62410—W. B. Guernsey—Butter Box.



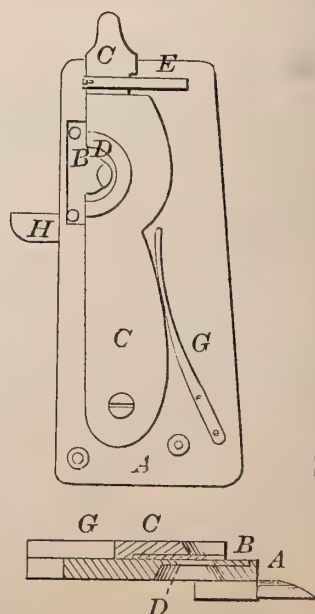
62408—N. W. Graves—For Sawing Wagon Felloes.



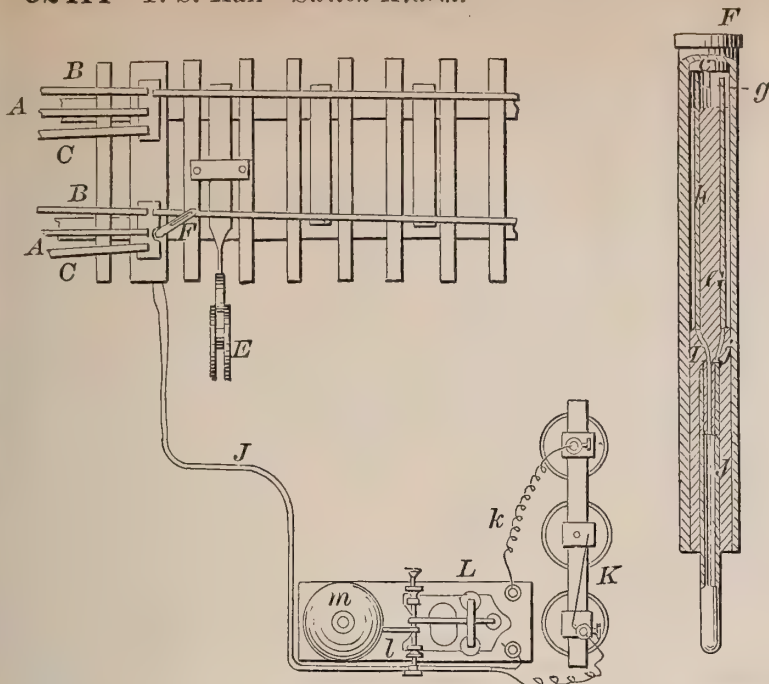
62412—D. Hague—Gate.



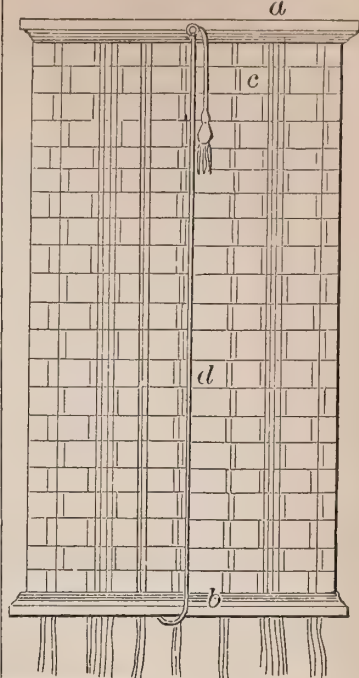
62413—C. P. Hale—Sorghum Stripper.



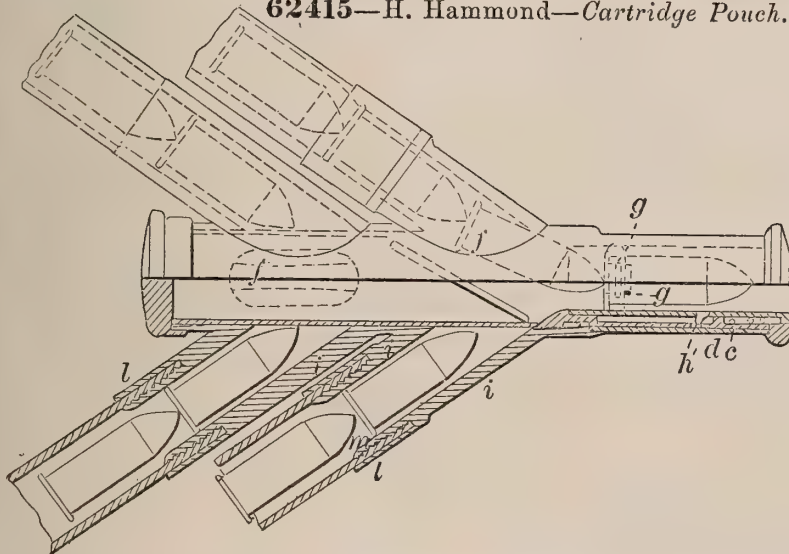
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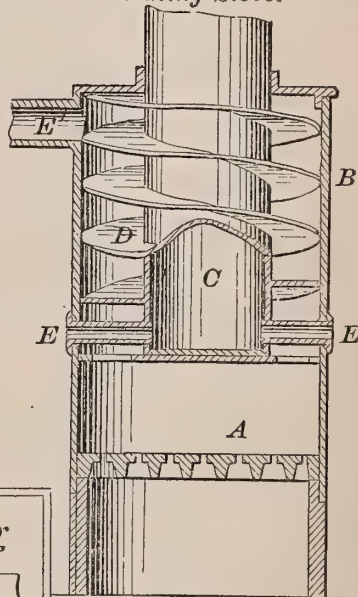
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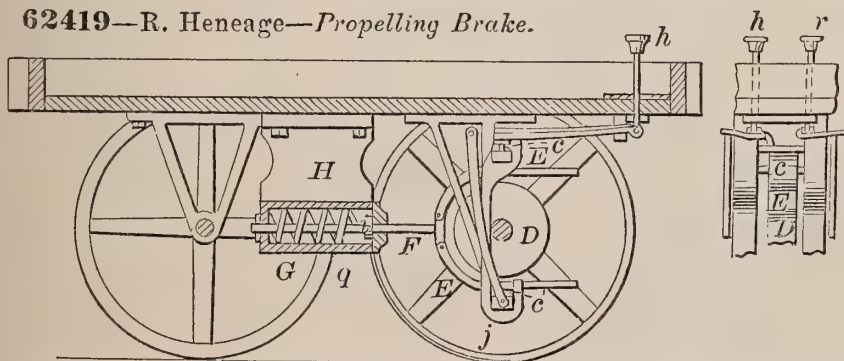
62415—H. Hammond—Cartridge Pouch.



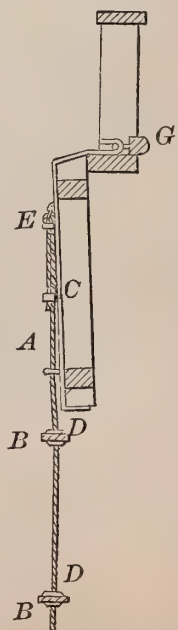
62416—D. J. Happersett—Heating Stove.



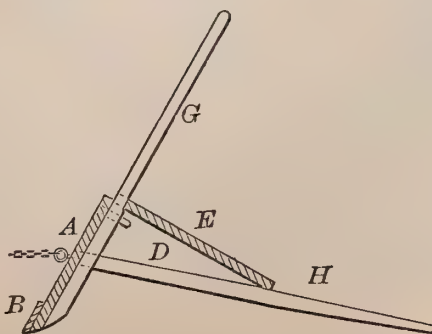
62419—R. Heneage—Propelling Brake.



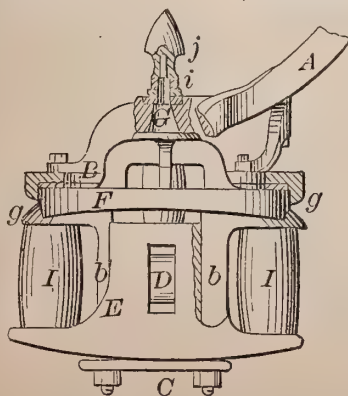
62418—I. Henderson—Fire Escape Ladder.



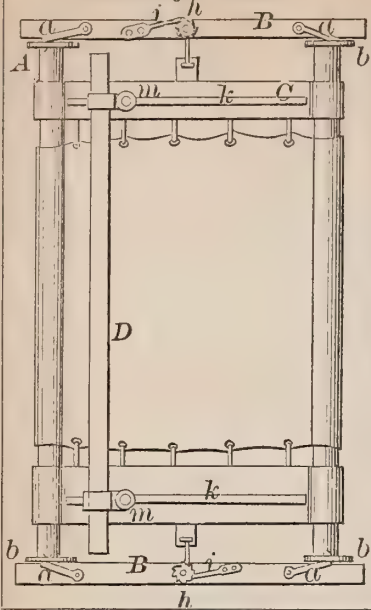
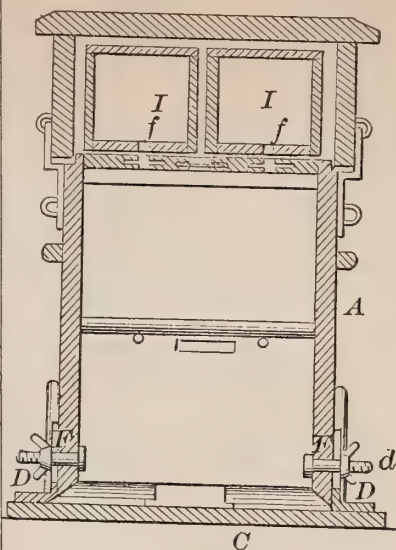
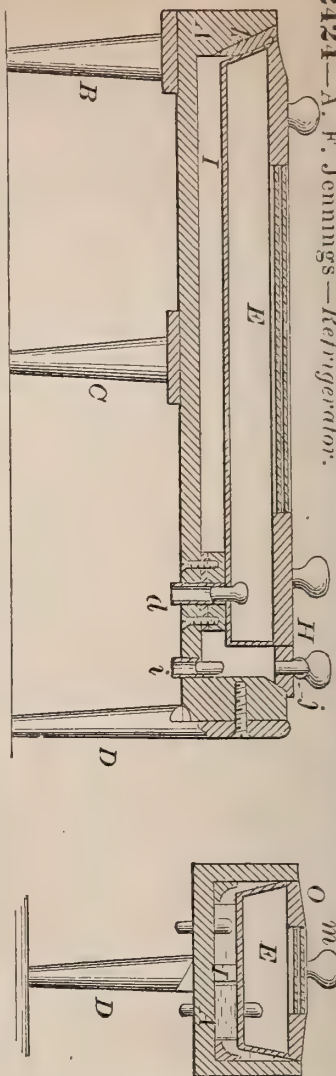
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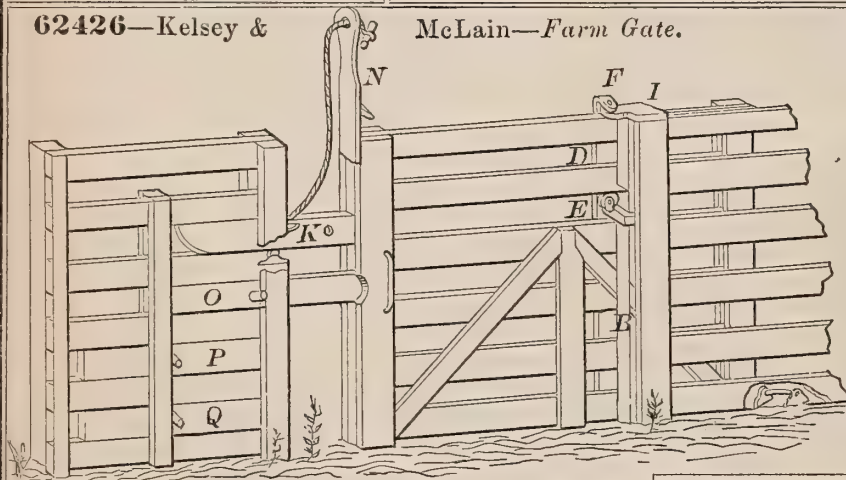
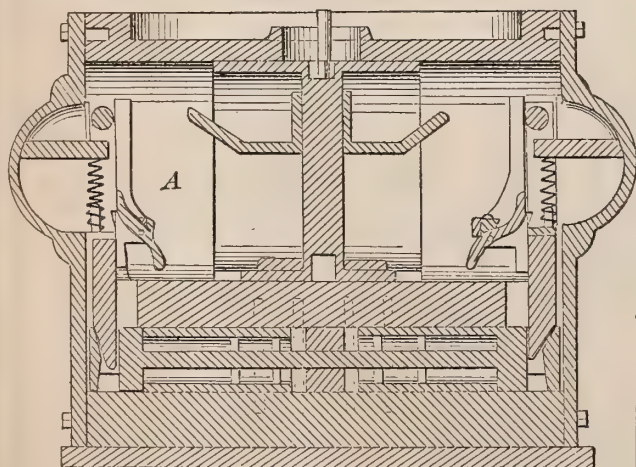
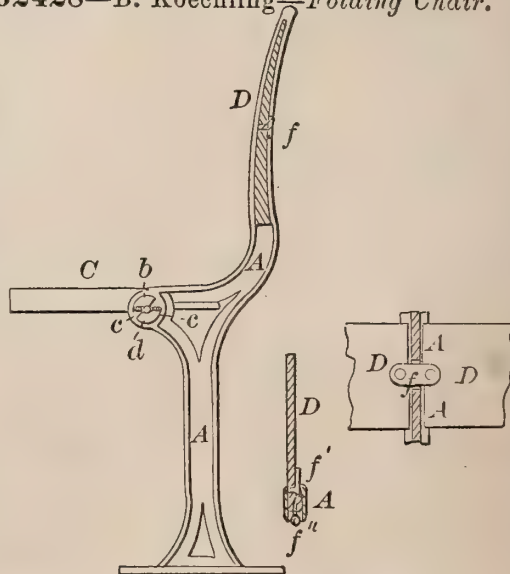
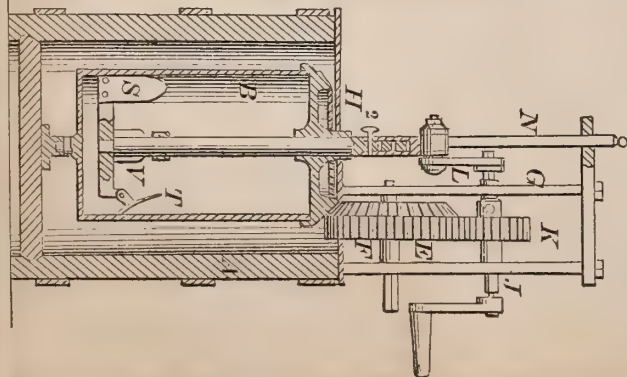
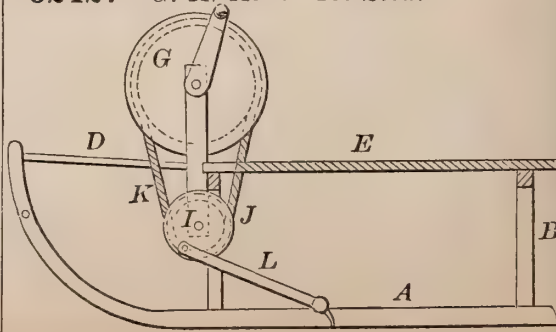
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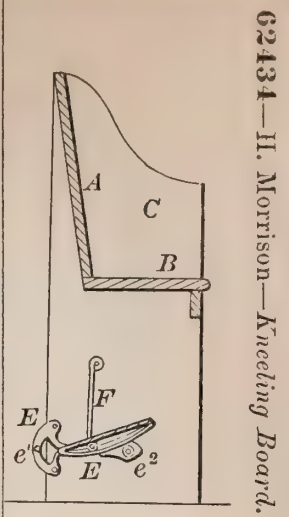
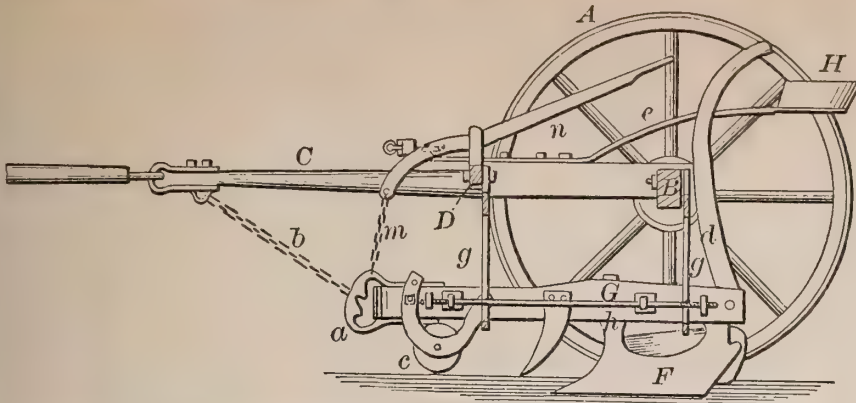


62422—W. R. Idle—*Quilting Frame.*62425—H. C. Keith—*Beehive.*62424—A. F. Jennings—*Refrigerator.*

62426—Kelsey &amp;

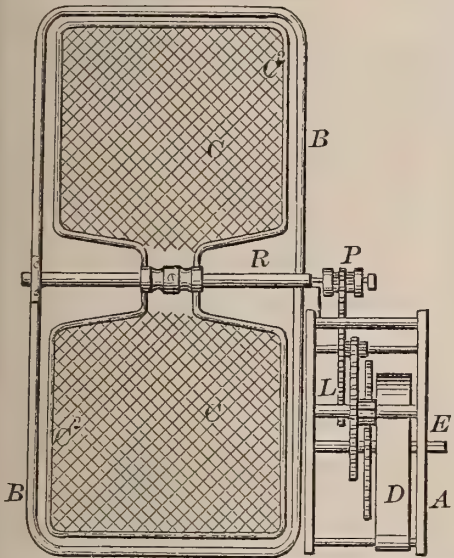
McLain—*Farm Gate.*62423—L. P. Jenks—*Water Meter.*62428—B. Koechling—*Folding Chair.*62429—L. A. Lipp—*Ice Cream Freezer.*62427—G. H. Kirk—*Ice Sled.*

62430—C. H. Littlefield—*Sulky Plow.*

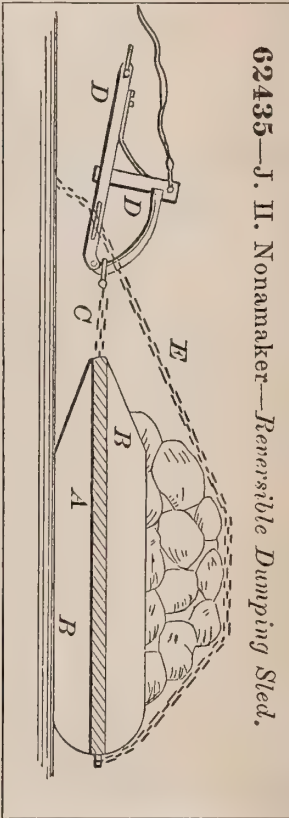
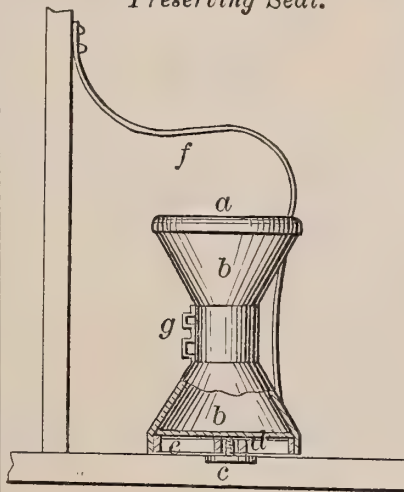


62434—H. Morrison—*Kneeling Board.*

62431—J. A. W. Lundborg—*Automatic Fan.*

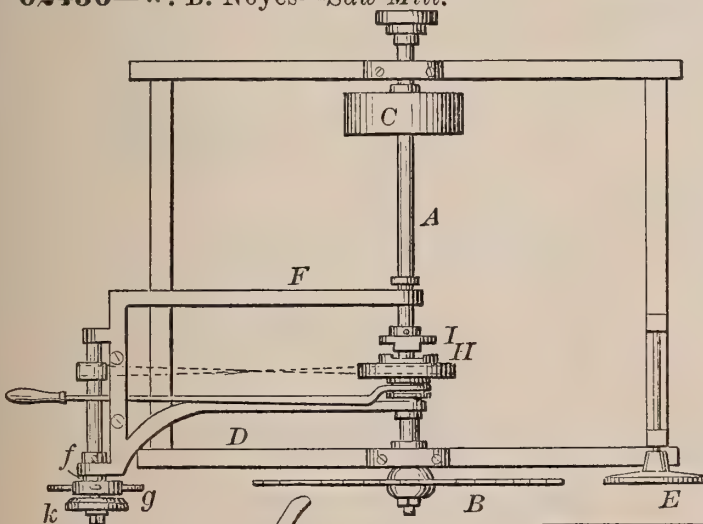


62433—H. Matthews—*Life Preserving Seat.*

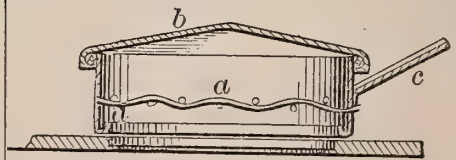


62435—J. H. Nonemaker—*Reversible Dumping Sled.*

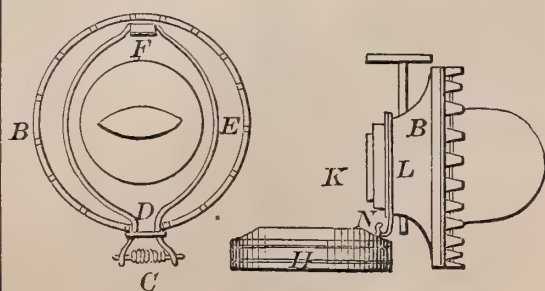
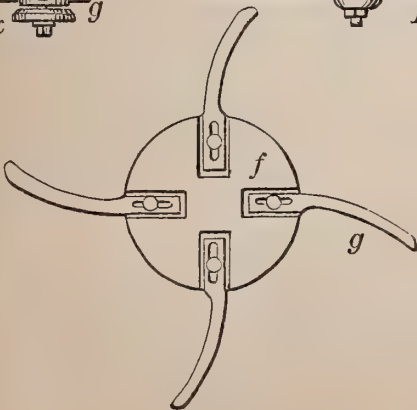
62436—W. B. Noyes—*Saw Mill.*



62437—J. T. Page—*Gridiron.*

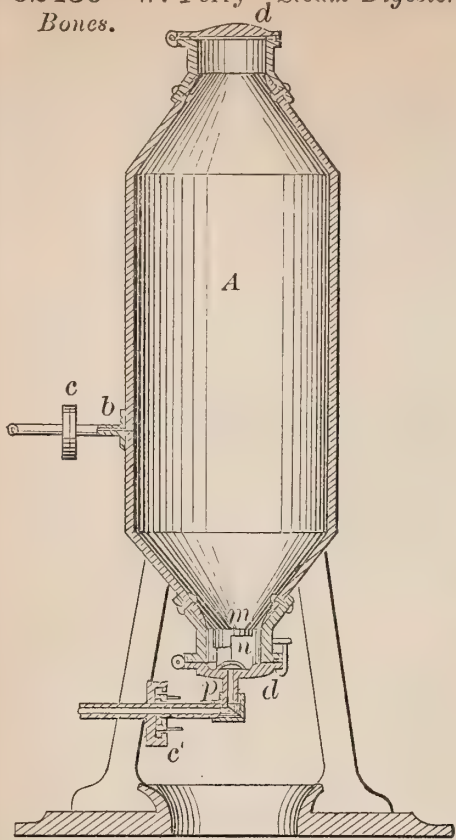


62438—A. Parsons—*Lamp Burner.*

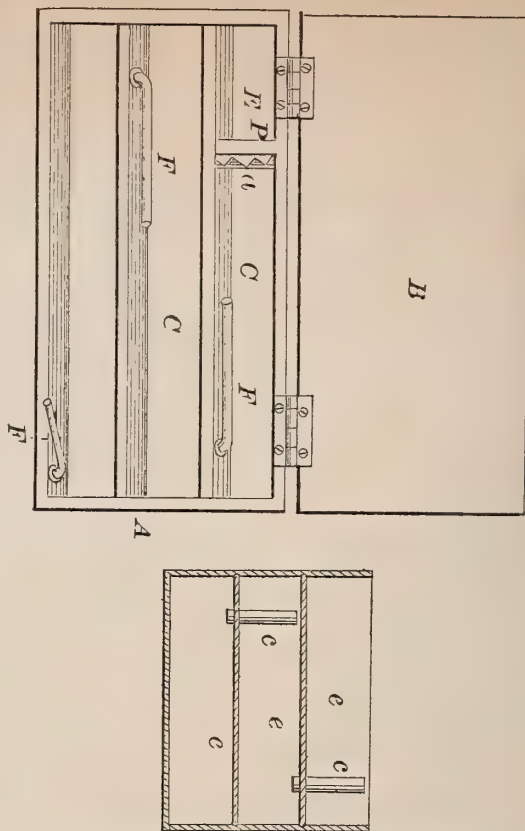




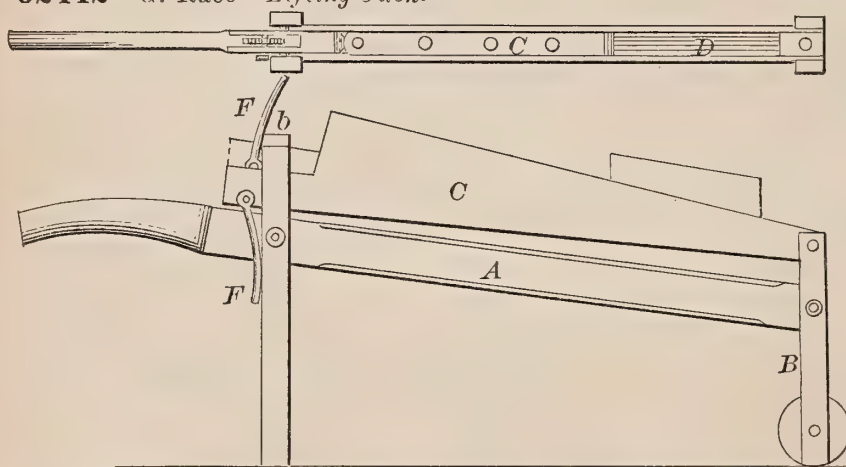
62439—W. Perry—*Steam Digester for Bones.*



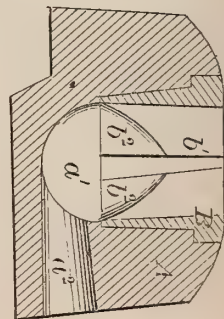
62440—E. Porter—*Sugar and Syrup Manufacture.*



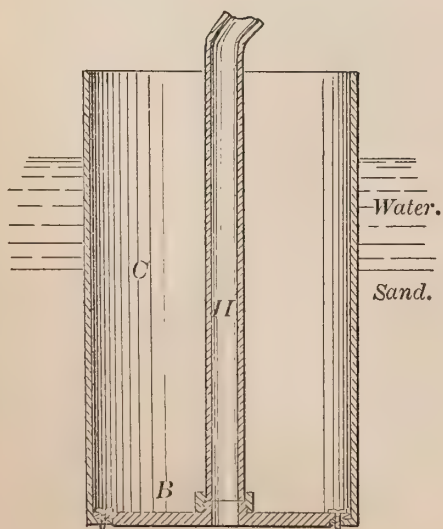
62442—G. Race—*Lifting Jack.*



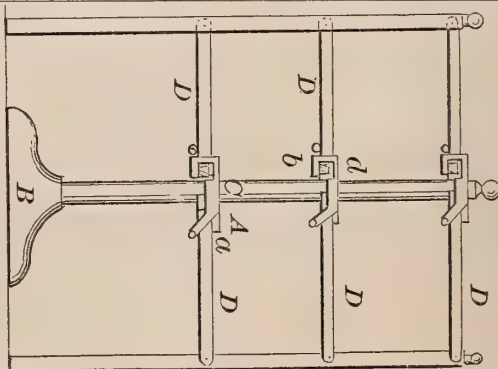
62441—M. Powe—*Tugere.*



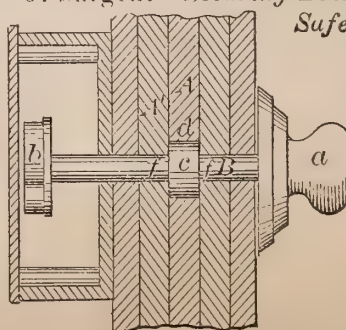
62444—C. H. Sanborn—*Coffer Dam.*



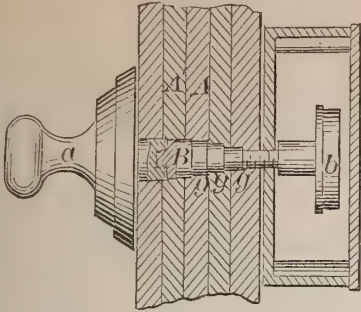
62443—C. B. Rogers—*Clothes Dryer.*



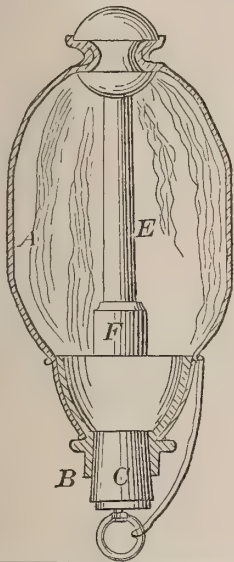
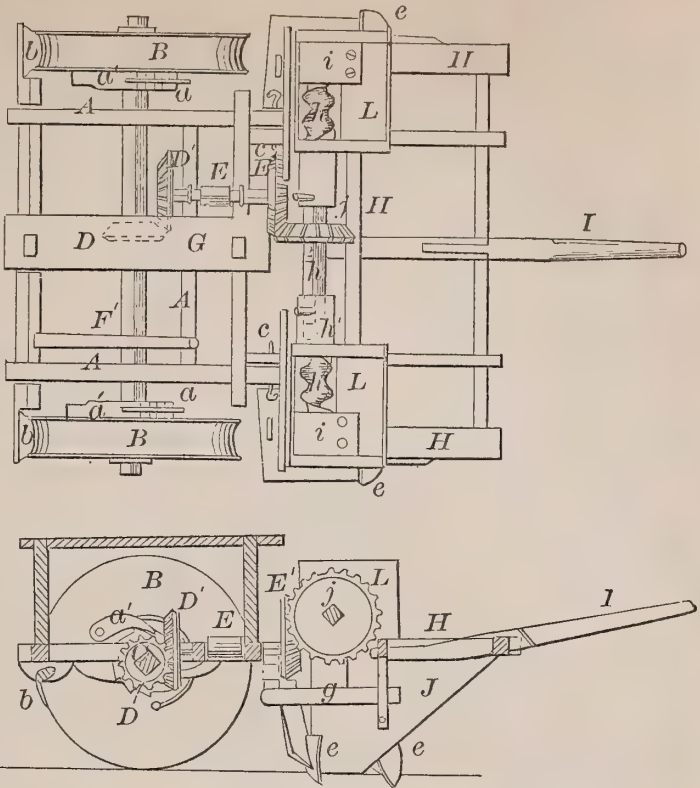
62445—J. Sargent—*Securing Lock Spindles in Safe Doors, &c.*



**62446**—J. Sargent—*Safe Lock Spindle.*

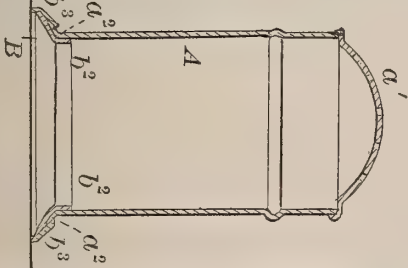


**62447**—J. P. Selsor—*Cotton Planter.*

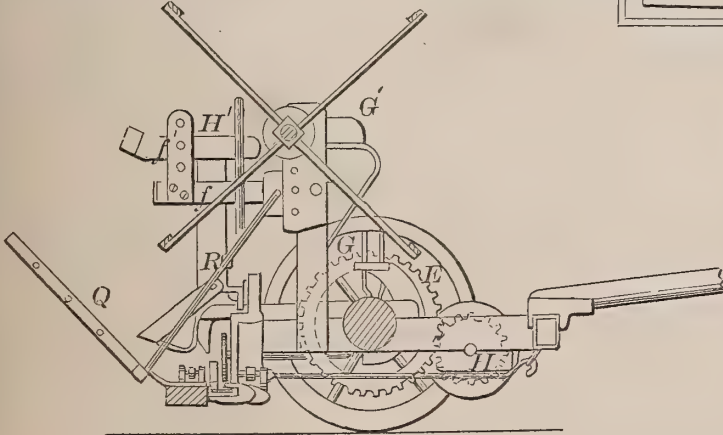


**62448**—W. S. Sims—*Tobacco Pouch.*

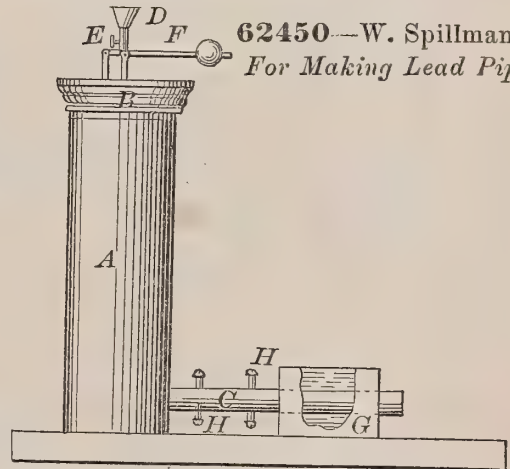
**62451**—J. H. Stone—*Pepper Box Manufacture.*



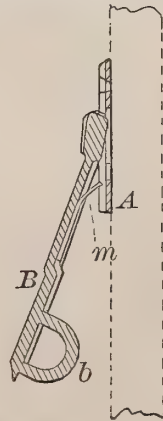
**62452**—J. M. Swaim—*Harvester.*



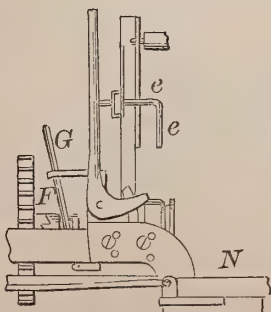
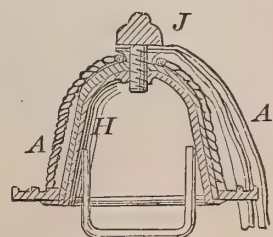
**62450**—W. Spillman—*For Making Lead Pipe.*



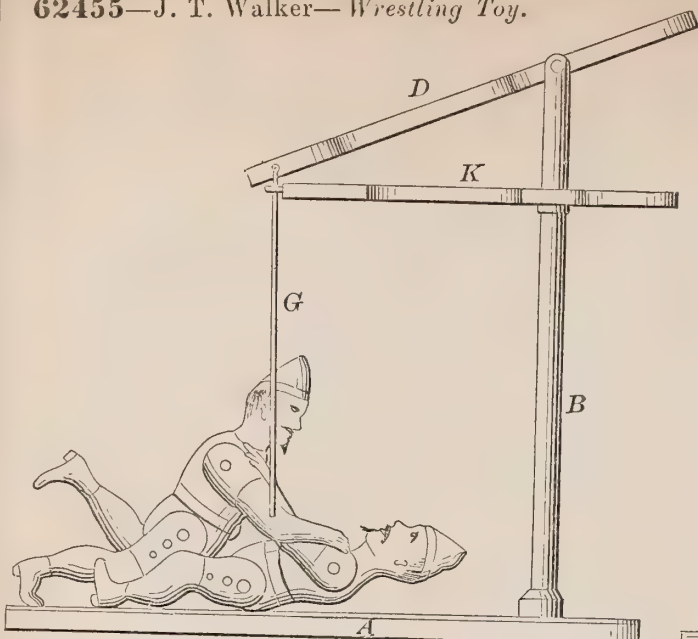
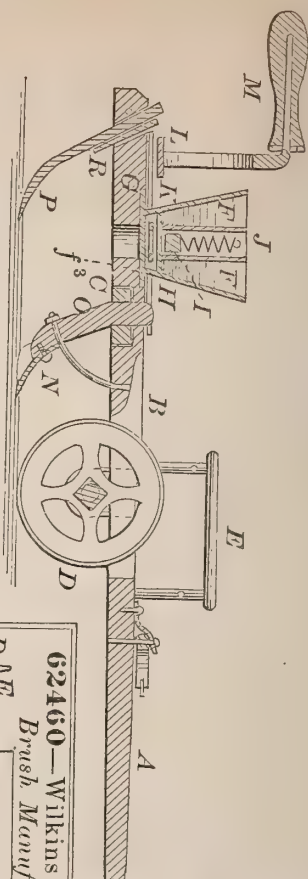
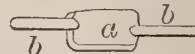
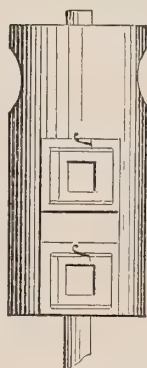
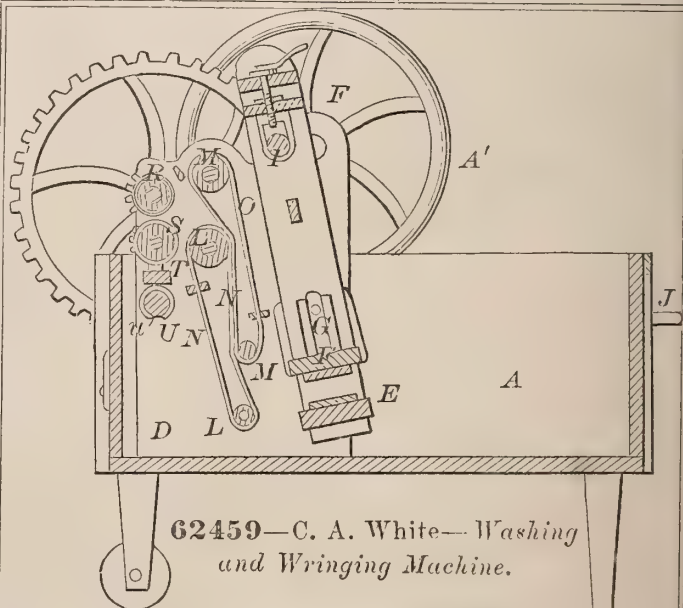
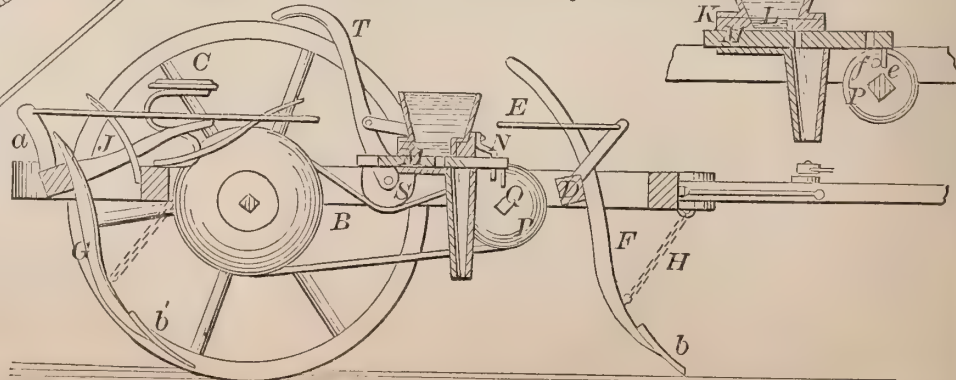
**62453**—L. Uitting—*Lock Hasp.*



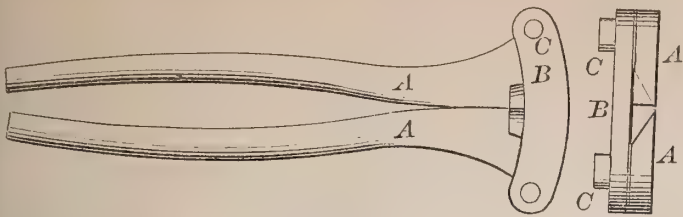
**62454**—J. V. Waldron—*Rosette.*



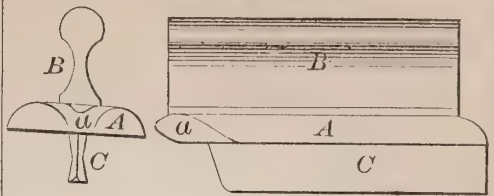


62455—J. T. Walker—*Wrestling Toy.*62458—J. E. West—*Corn Planter.*62456—H. Waters—*Hoe Blank.*62457—J. V. Weitz—*Steam Engine Governor.*62460—Wilkins & Rogers—*Brush Manufacture.*62459—C. A. White—*Washing and Wringing Machine.*62461—R. B. Wright—*Planting Machine.*

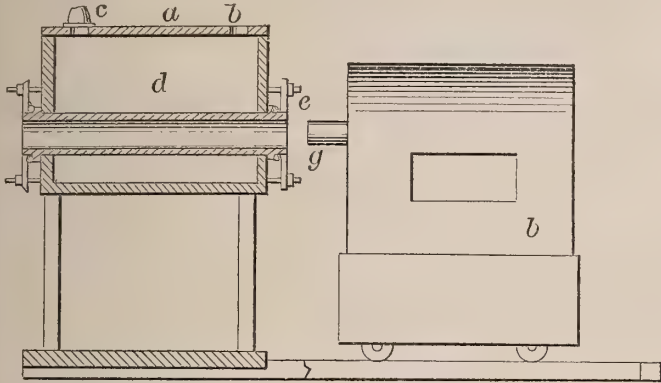
62462—S. W. Wright—*Bolt Cutting Shears.*



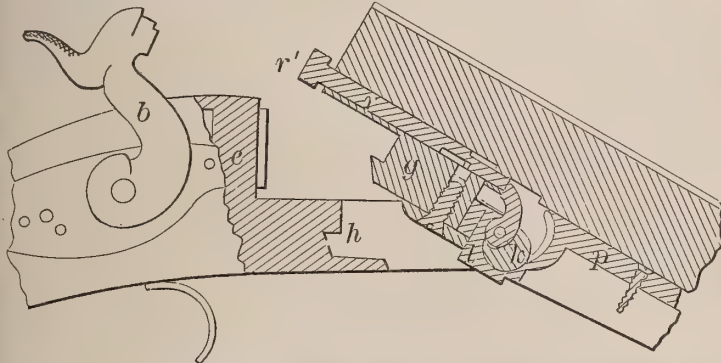
62463—A. M. Zabriskie—*Brick Work Groover.*



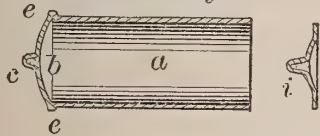
62464—D. Alter—*Bromine and Iodine Manufacture.*



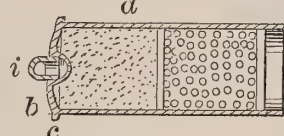
62465—A. J. Bergen—*Breech-Loading Fire Arm.*



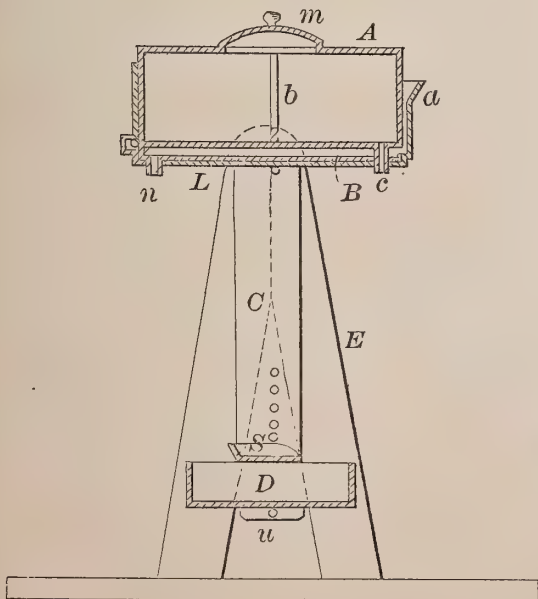
62466—A. J. Bergen—*Metallic Cartridge.*



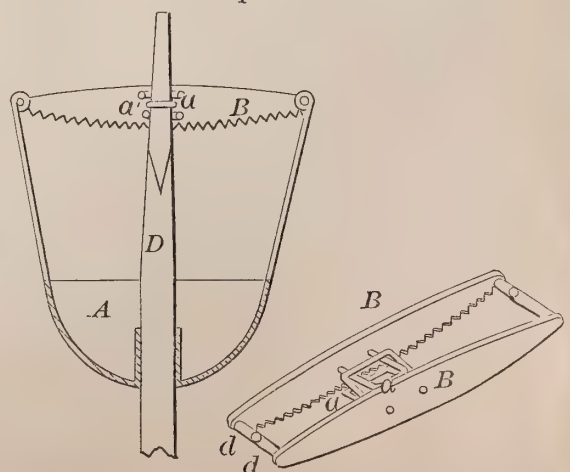
62467—A. J. Bergen—*Priming Cartridges.*



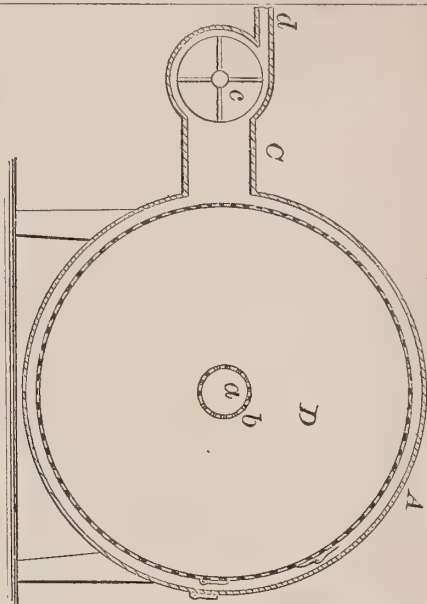
62470—T. I. Burhyte—*Churn.*



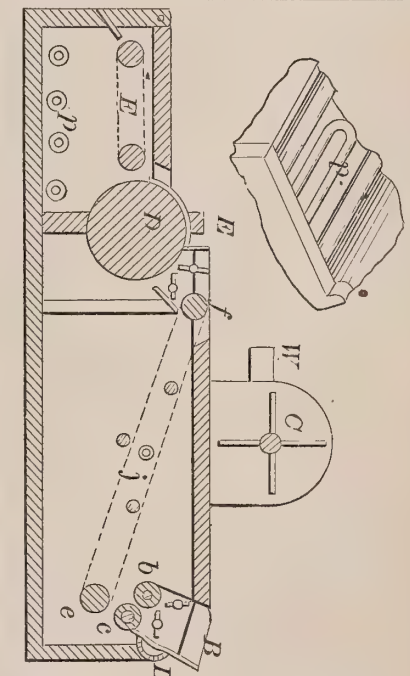
62471—J. T. Carpenter—*Broom Head.*



62468—L. W. Boynton—*For Drying Wool.*

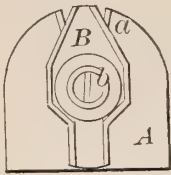


62469—L. W. Boynton—*For Preparing Peat.*

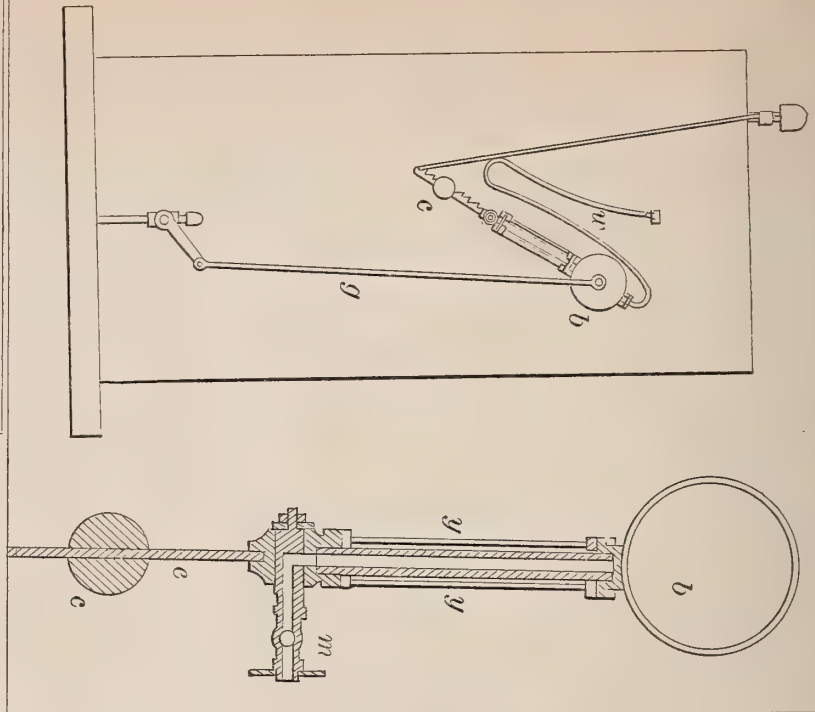




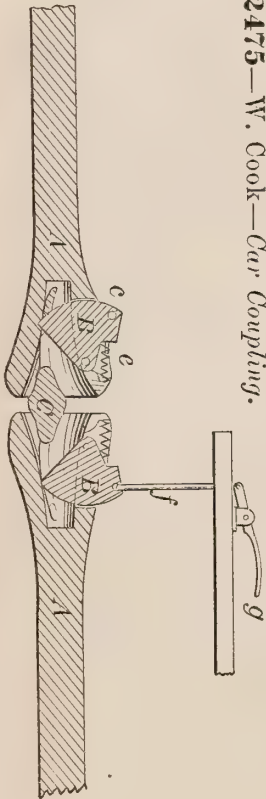
**62472**—M. T. Chapman—*Knife and Scissors Sharpener.*



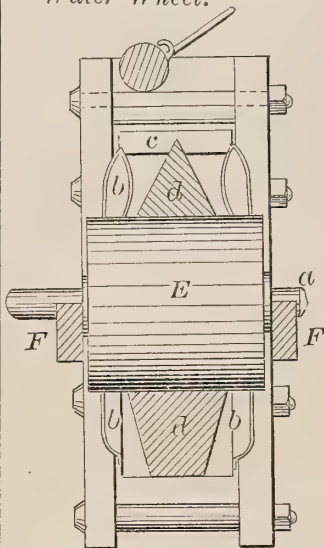
**62474**—G. E. Chenoweth—*Feed Water Regulator.*



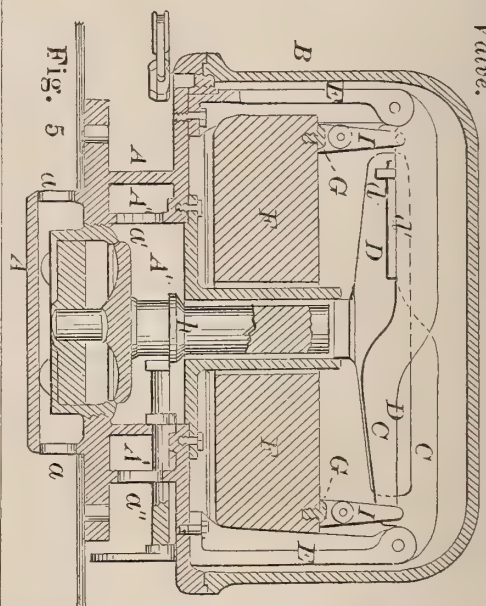
**62475**—W. Cook—*Car Coupling.*



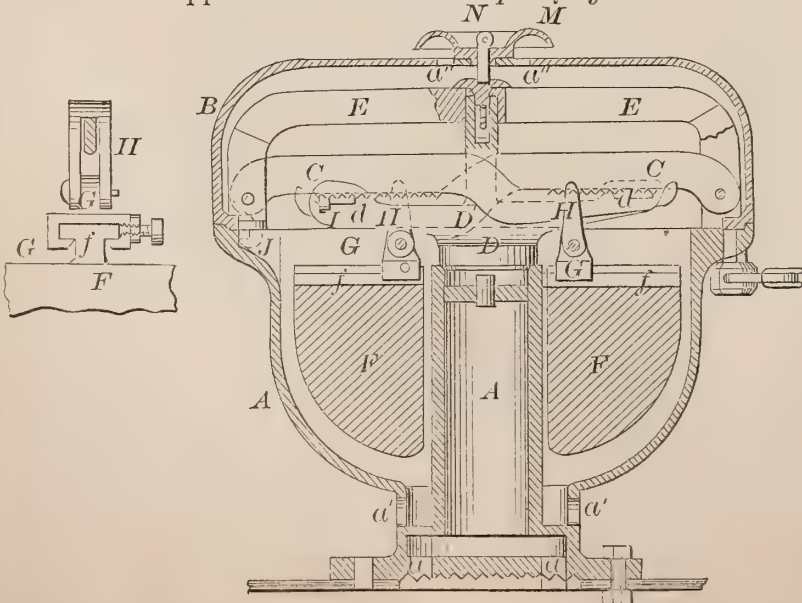
**62473**—R. Chapman—*Water Wheel.*



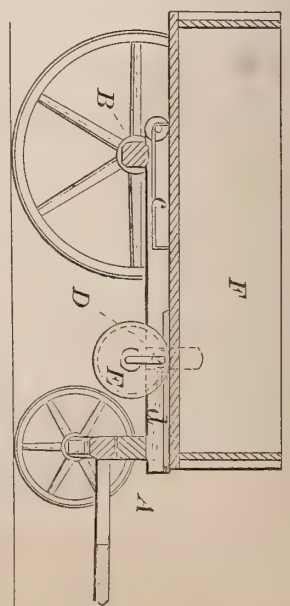
**62476**—Coppin & Clemens—*Lock-up Safety Valve.*



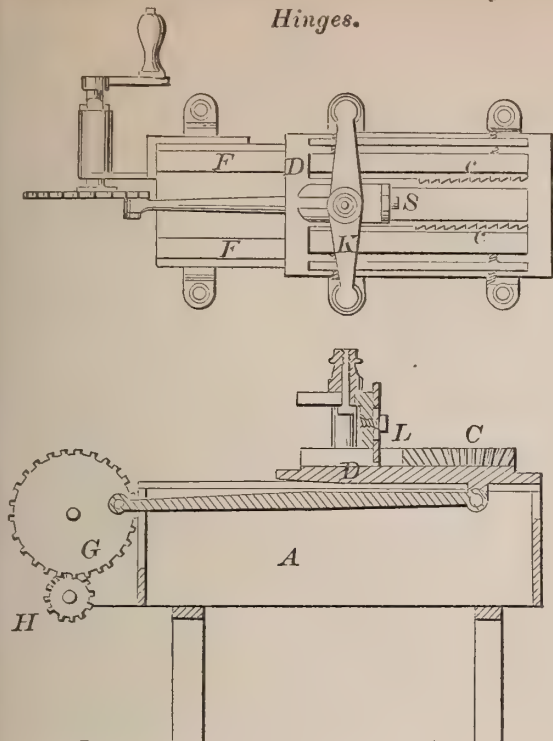
**62477**—Coppin & Clemens—*Lock-up Safety Valve.*



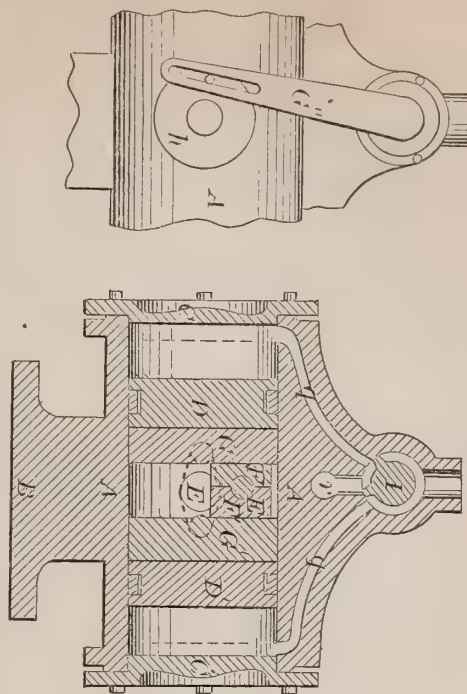
**62478**—G. R. Cramer—*Dumping Wagon.*



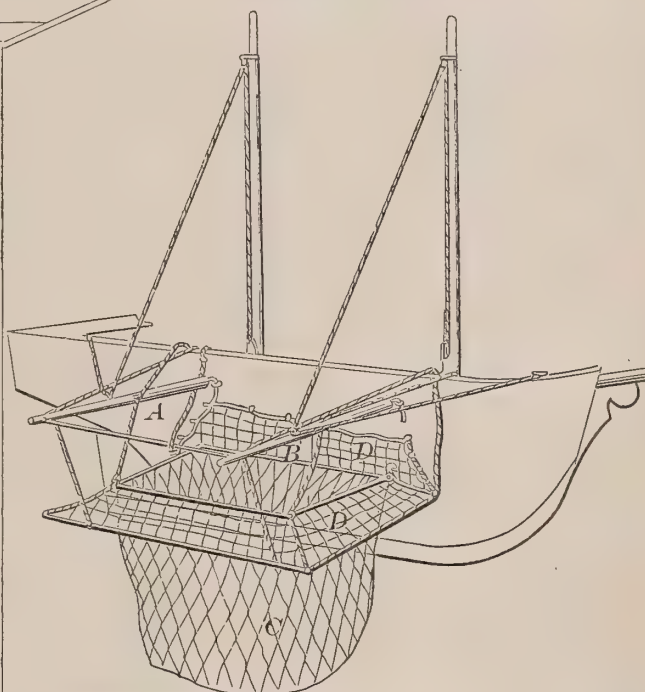
62479—J. J. Crooke—For Finishing Butt Hinges.



62482—G. P. Ganster—Steam Engine.



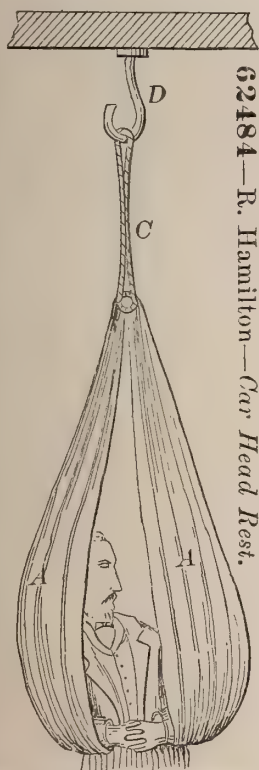
62481—C. C. Crosman—Fishing Net Gear.



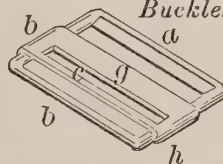
62480—C. O. Crosby—Leather Sole.



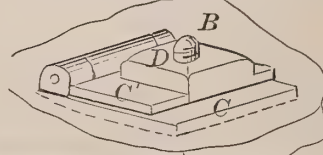
62484—R. Hamilton—Car Head Rest.



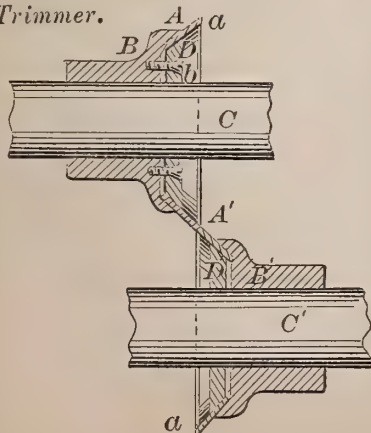
62485—S. E. Booth—Buckle.



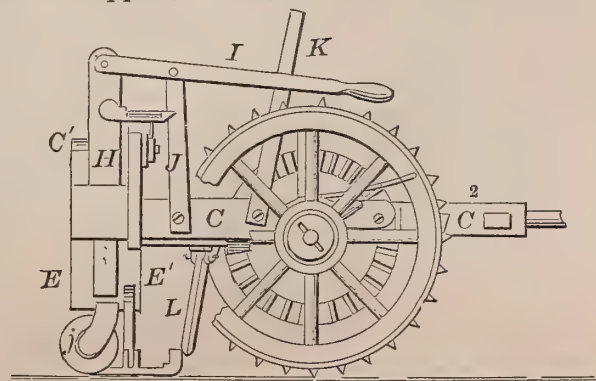
62483—J. H. Gridley—Locking Washer for Nuts.



62486—J. Hatch—Paper Trimmer.

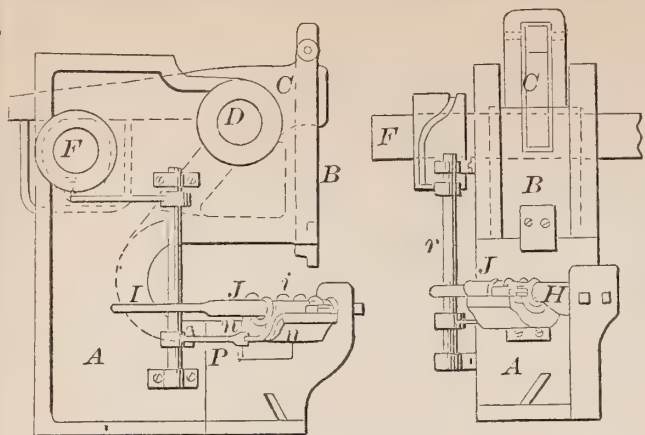


62487—J. Hepperly—Hedge Trimmer.

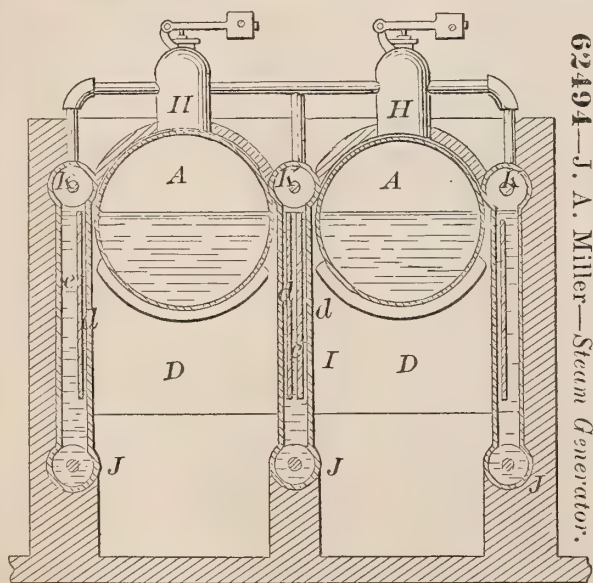
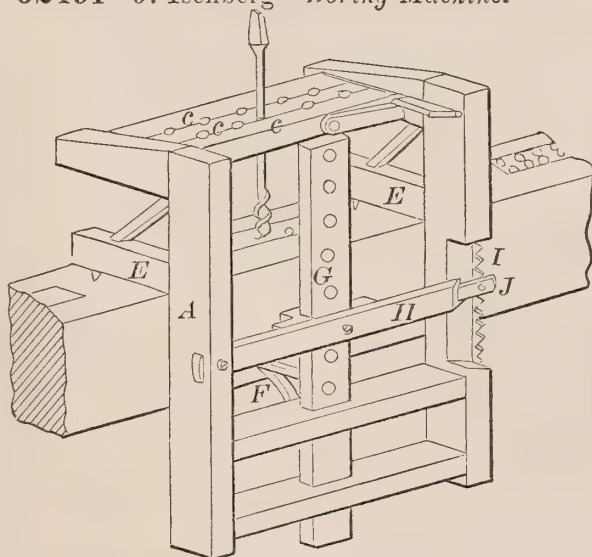




62488—G. Homfray—For Cutting Chain Links.

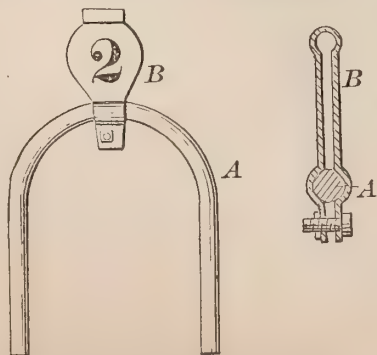


62491—J. Isenberg—Boring Machine.

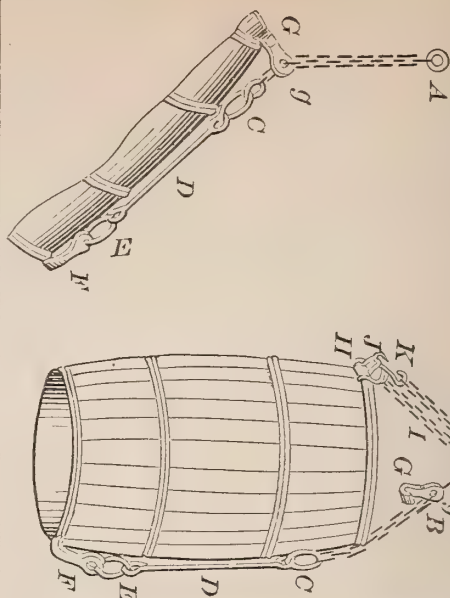


62494—J. A. Miller—Steam Generator.

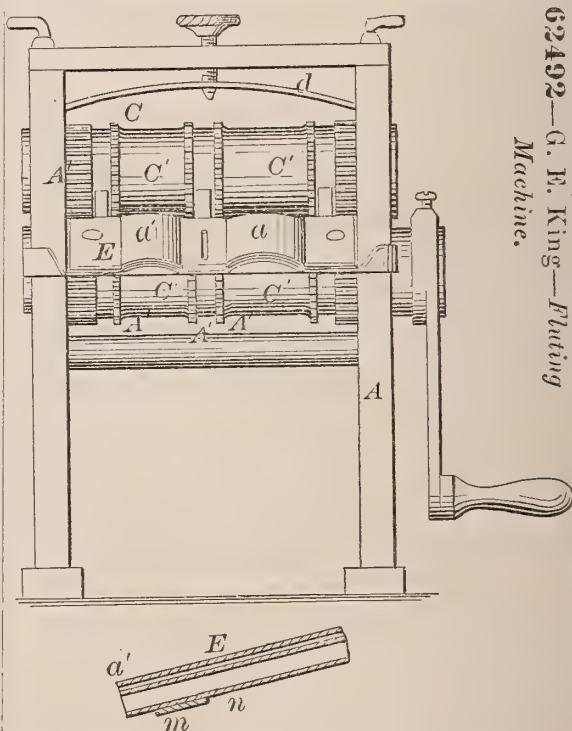
62495—G. L. Morse—Croquetierie.



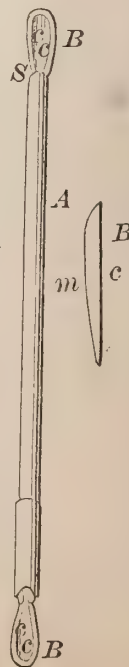
62489—T. Hopkins—Cant Hook.



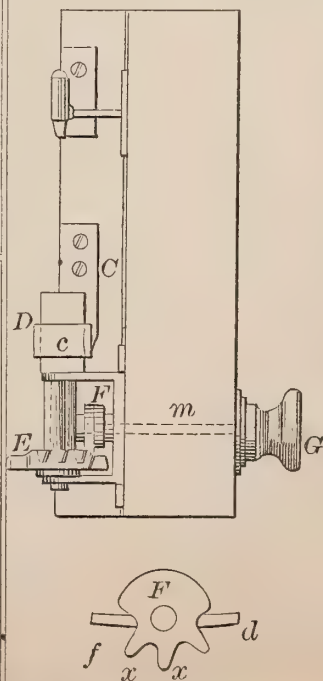
62492—G. E. King—Fluting Machine.



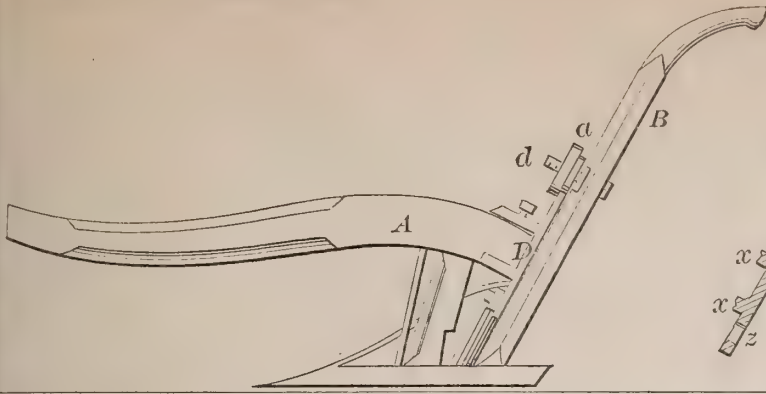
62496—Morse &amp; Powell—Eraser and Pen Handle.



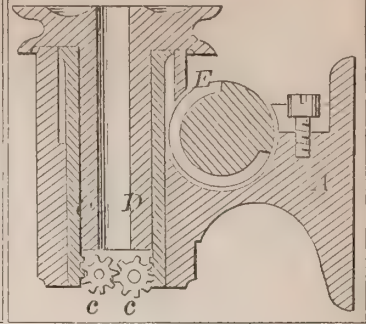
62493—C. Lehnert—Shutter Fastening.



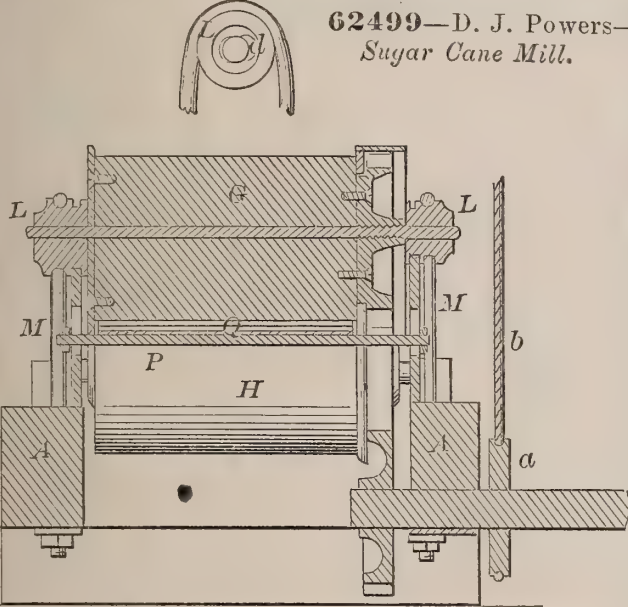
62497—J. Parker—*Plow.*



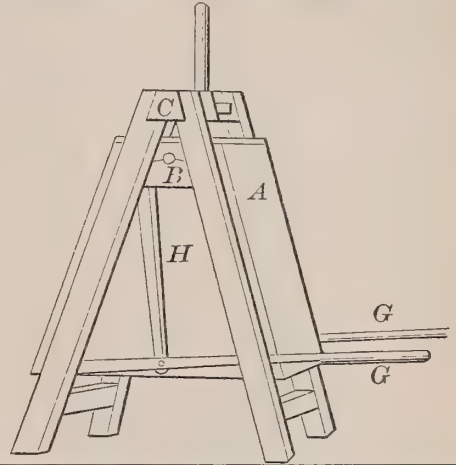
62498—H. T. Potter—*Spinning Machinery.*



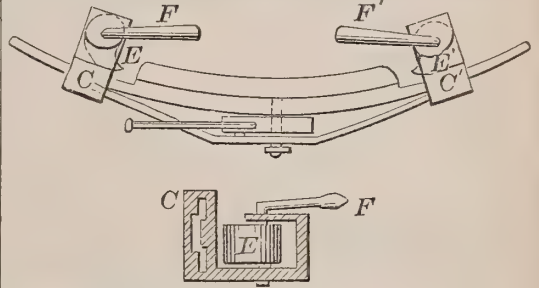
62499—D. J. Powers—*Sugar Cane Mill.*



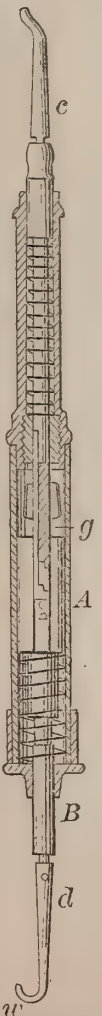
62502—A. A. Rose—*Churn.*



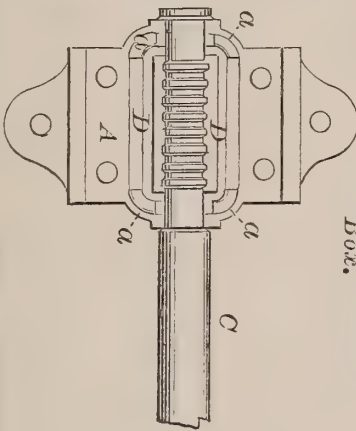
62501—J. Robinson—*Tire Shrinker.*



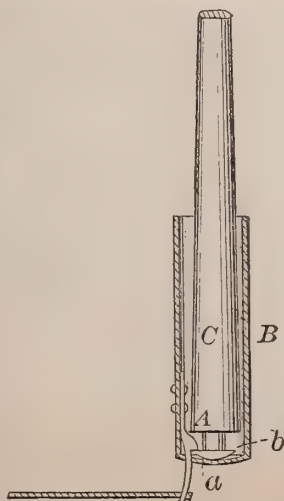
62504—L. A. Salmon—*Dental Instrument.*



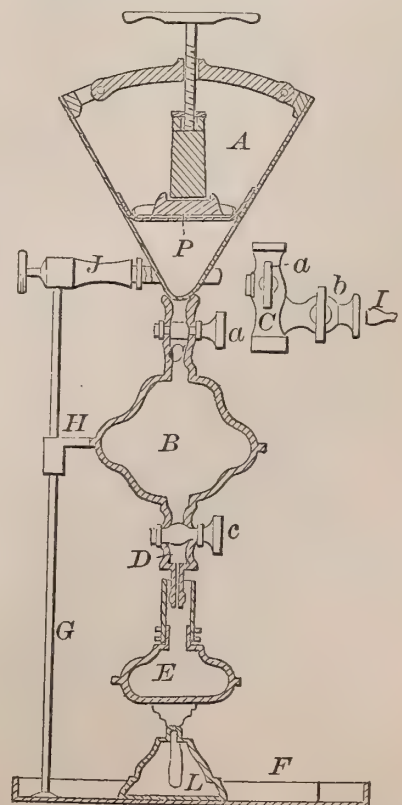
62500—C. Parry—*Self-Lubricating Box.*



62506—J. Steger—*Whip Socket.*

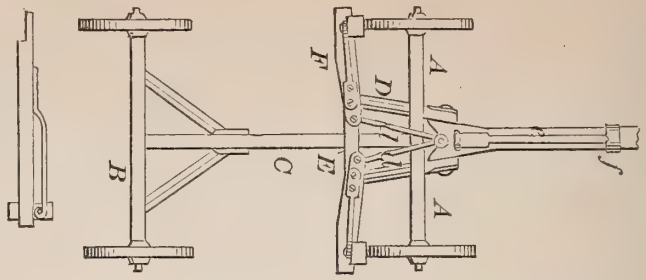


62505—T. Simmons—*Vacuum Filter.*

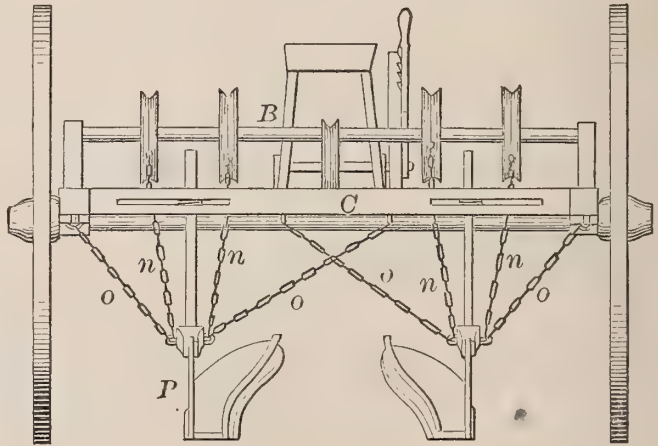




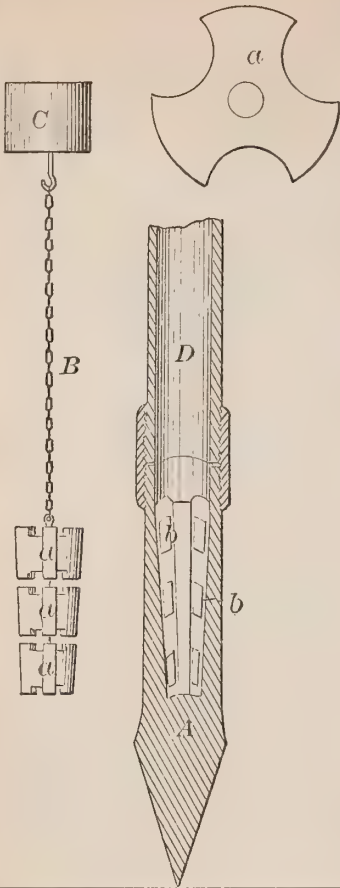
62509—O. C. Taylor—Wagon Brake.



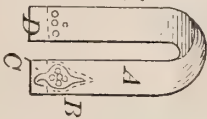
62511—J. W. Tyson—Cultivator.



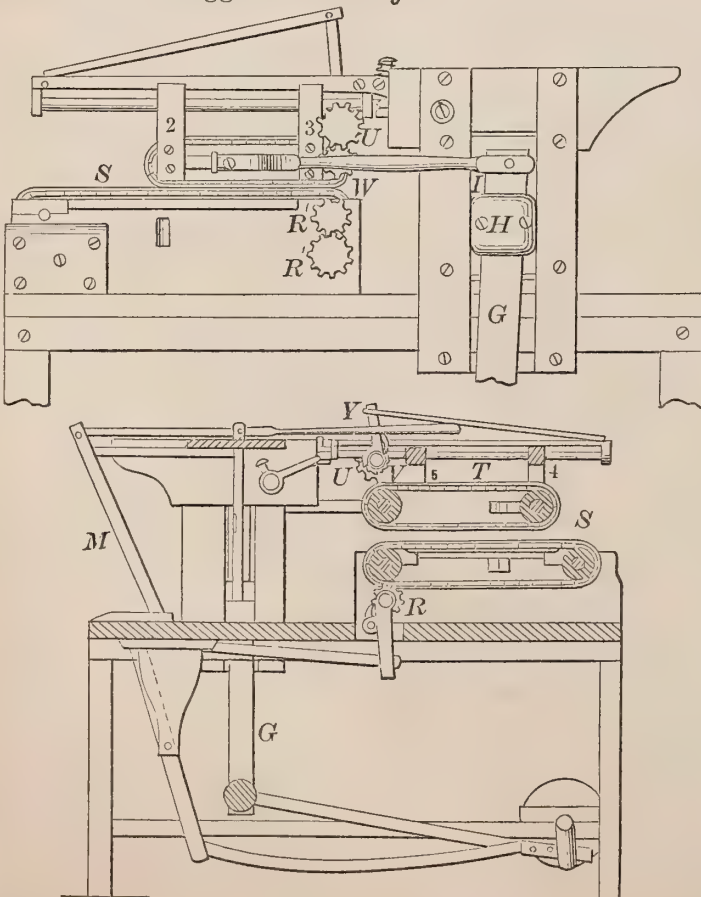
62508—Taylor &amp; Ballou—Tube Boring Well.



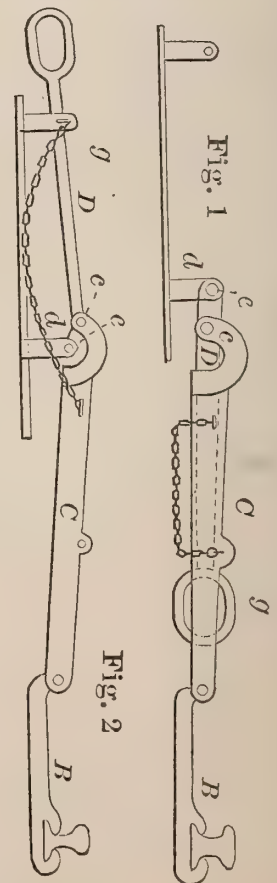
62513—S. Ward—Back Band Hook.



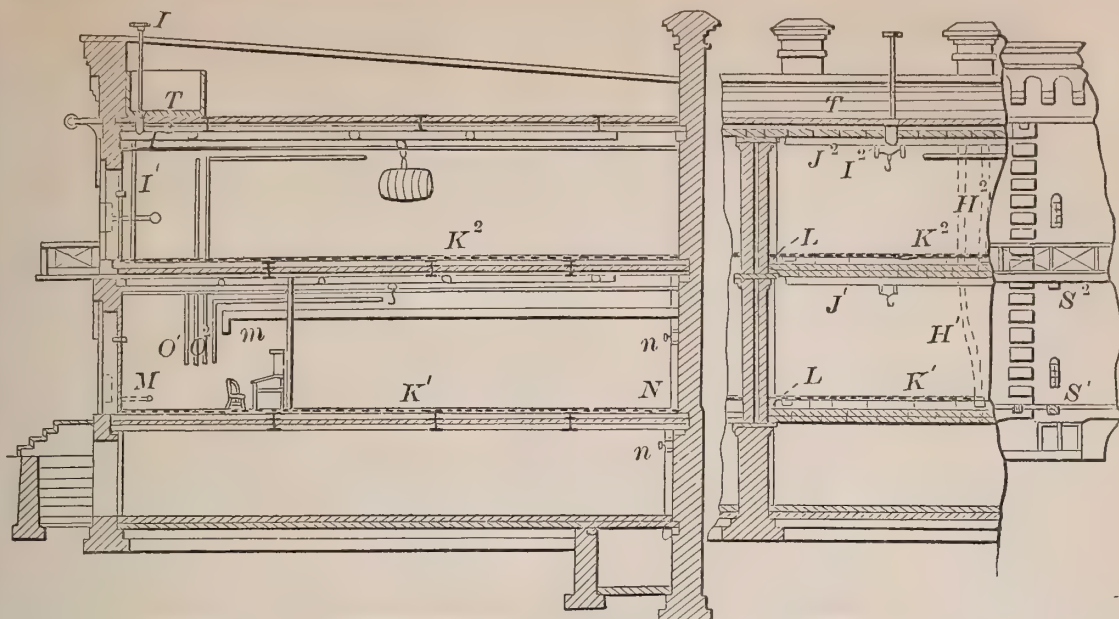
62514—J. E. Wiggin—Boarding Machine.



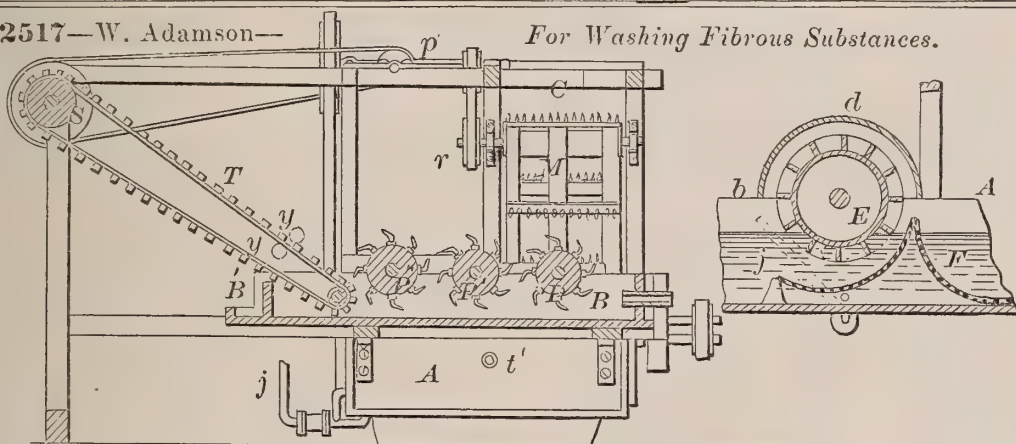
62510—W. Tracy—Railway Switch.



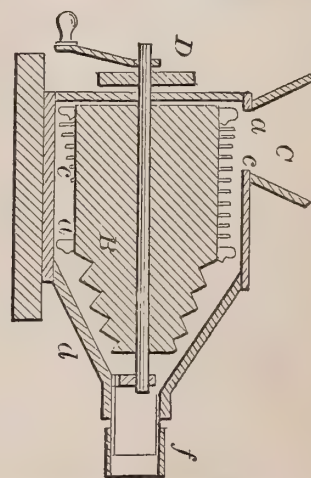
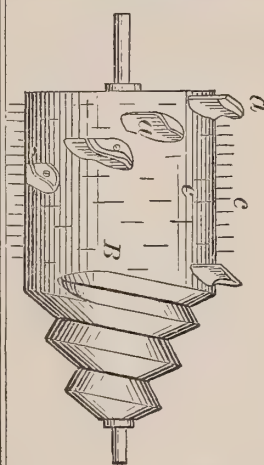
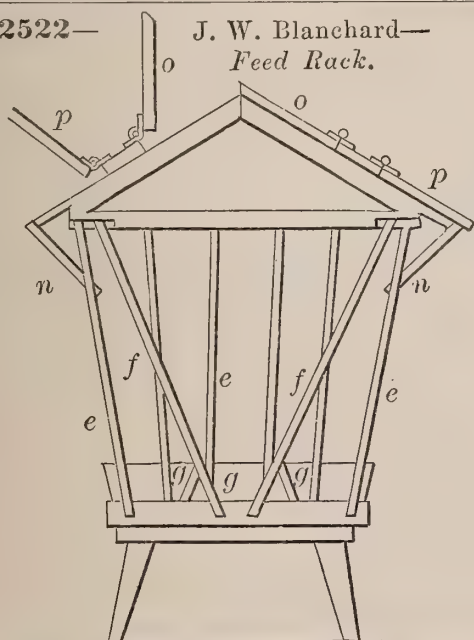
62515—C. Wright—Storehouse.



62517—W. Adamson—*For Washing Fibrous Substances.*

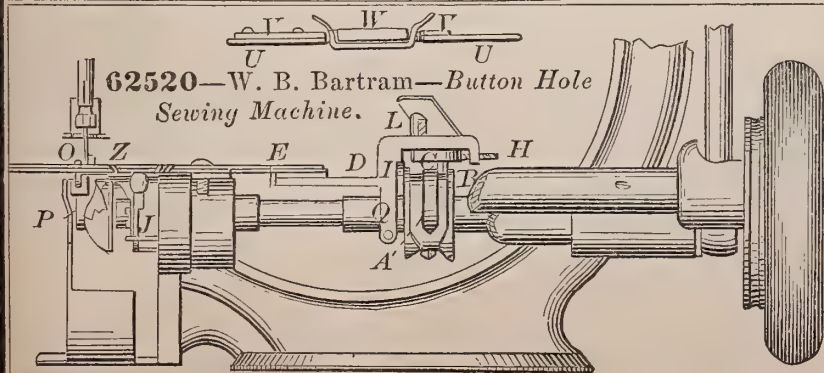


62522—J. W. Blanchard—*Feed Rack.*

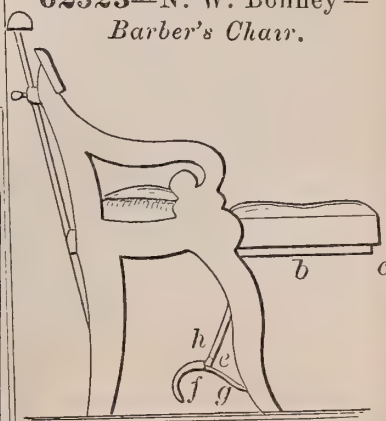


62519—E. Atkinson—*Peat Machine.*

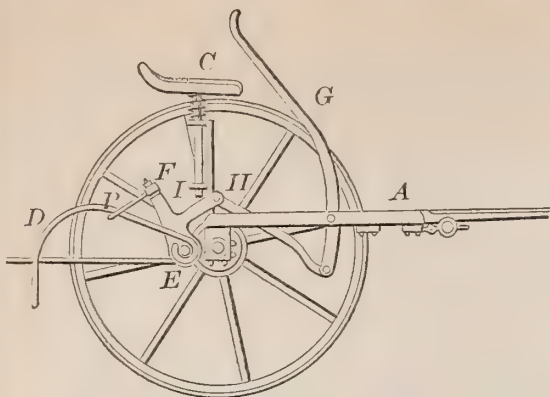
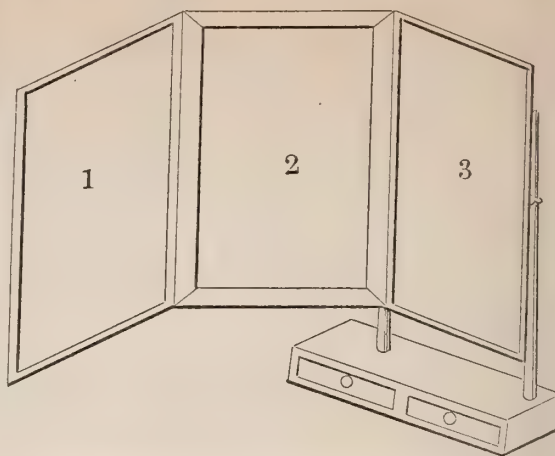
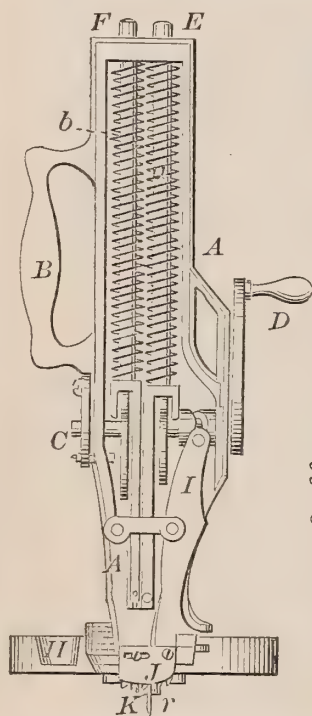
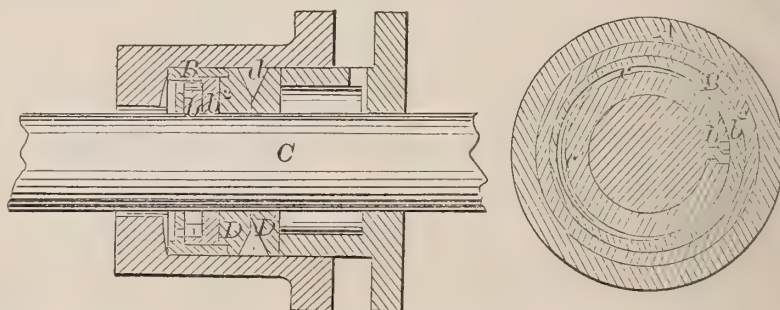
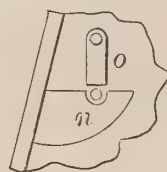
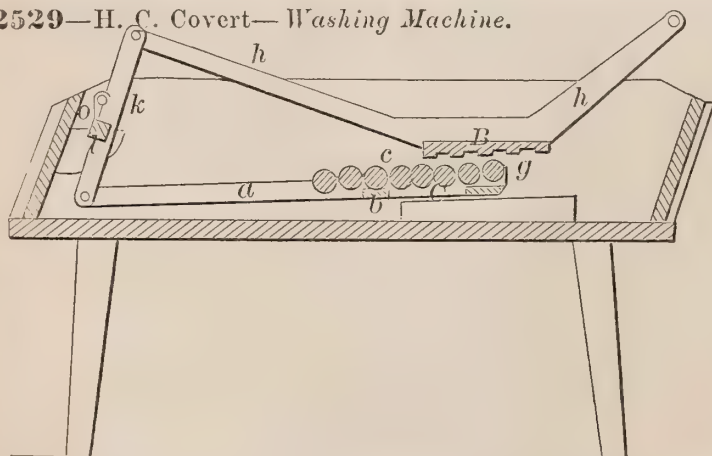
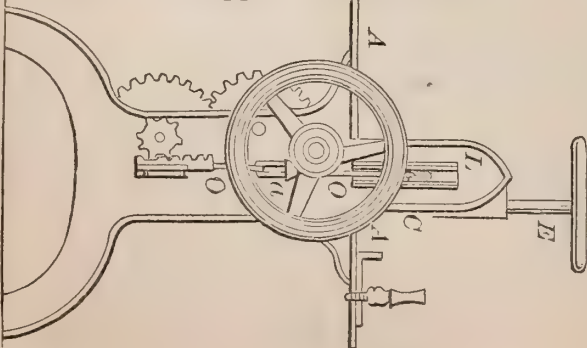
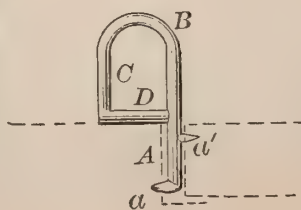
62520—W. B. Bartram—*Button Hole Sewing Machine.*



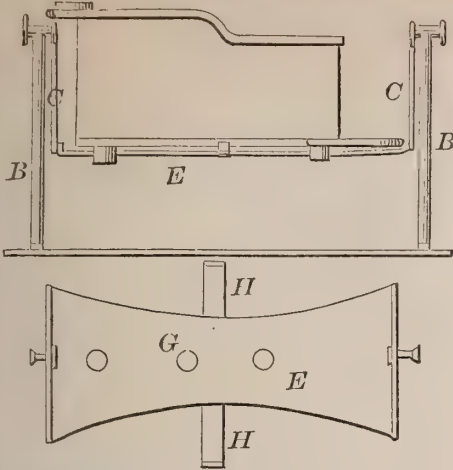
62523—N. W. Bonney—*Barber's Chair.*



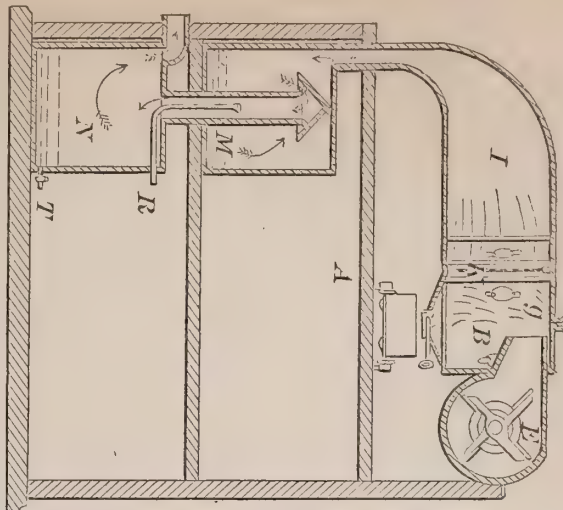


62524—W. L. Bostwick—*Horse Rake.*62526—R. H. Brown—*Toilet Glass.*62525—J. H. Brown—*Hand Pegging Machine.*62527—J. F. Chuse—*Metallic Stuffing Box Packing.*62528—J. M. Clark—*Twine Cutter.*62531—J. Decker—*Clock Alarm.*62529—H. C. Covert—*Washing Machine.*62530—C. Cropper—*Paper Cutter.*62532—J. Decker—*Door Fastening.*62533—T. B. De Forest—*Buckle.*

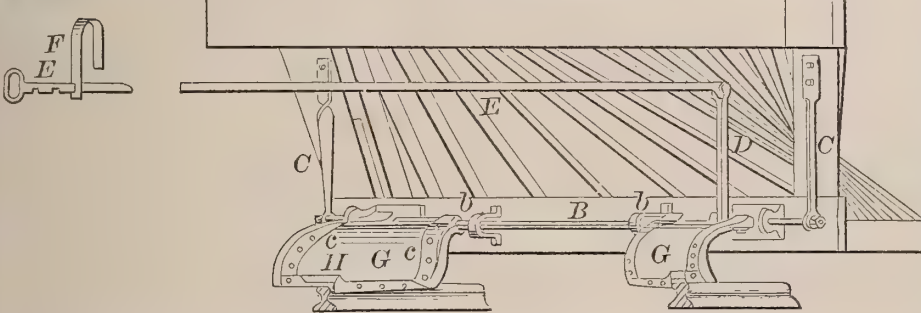
**62534**—Duburn & Keith—*Frame for Supporting Stoves on Vessels.*



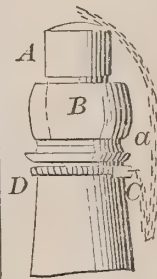
**62537**—Ficken & Williams—*For Cleaning and Purifying Bone Black.*



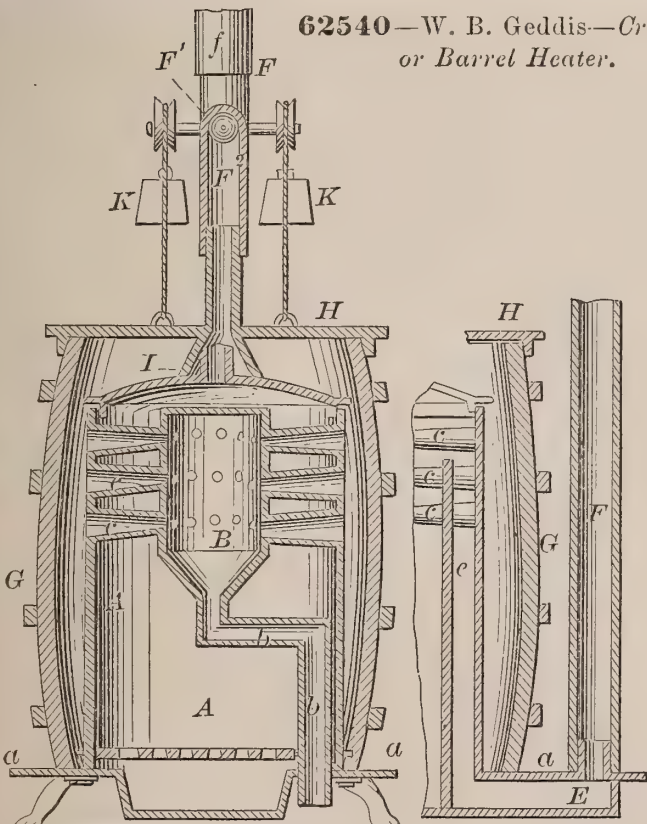
**62535**—C. C. Elliott—*Locomotive Snow Scraper.*



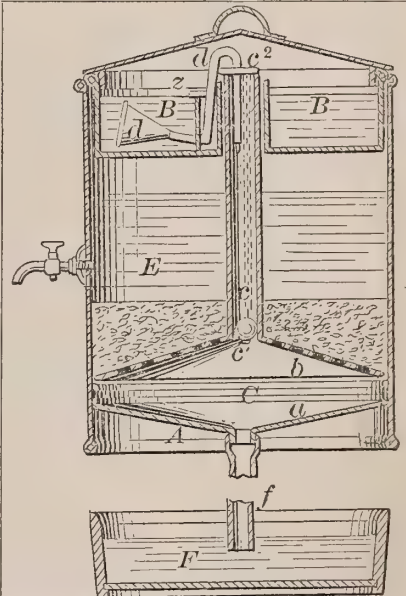
**62536**—J. J. Eshleman—*Attaching Stoppers to Bottles.*



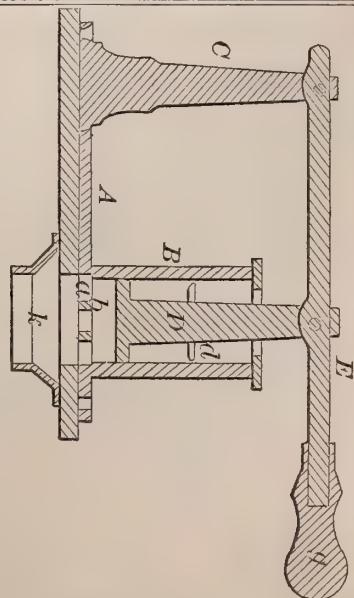
**62540**—W. B. Geddis—*Cresset or Barrel Heater.*



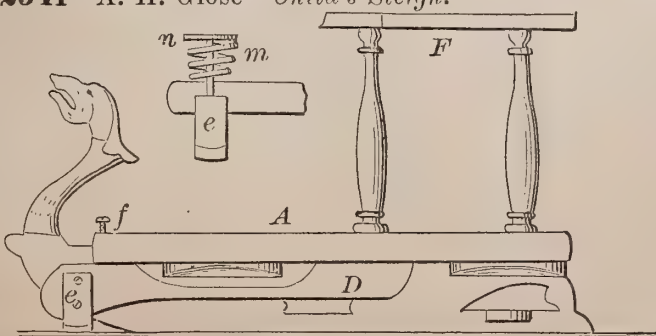
**62538**—H. Flad—*Filter.*



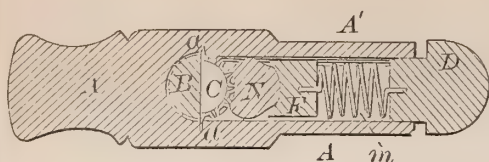
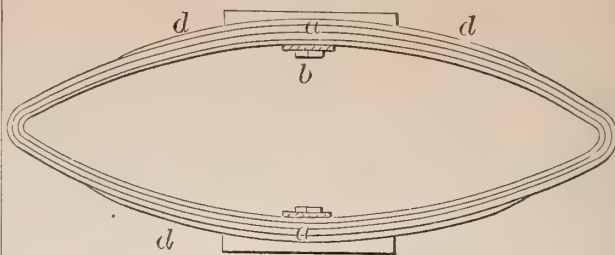
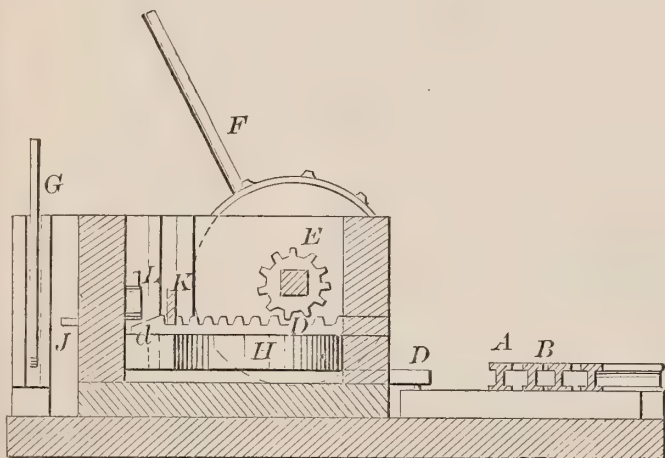
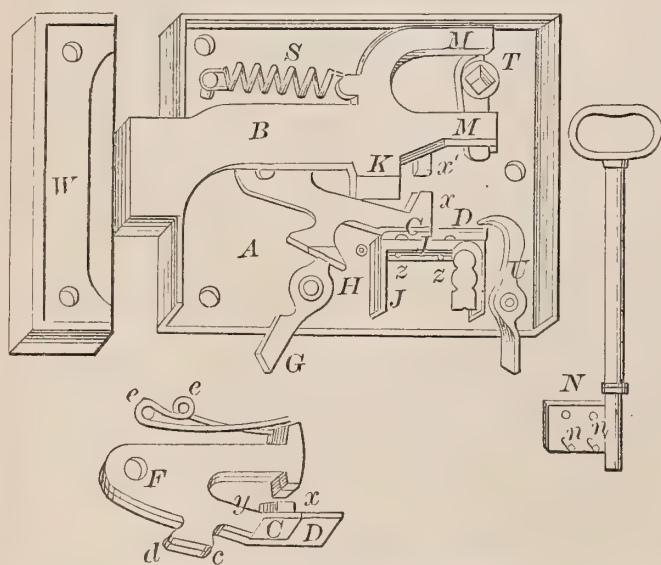
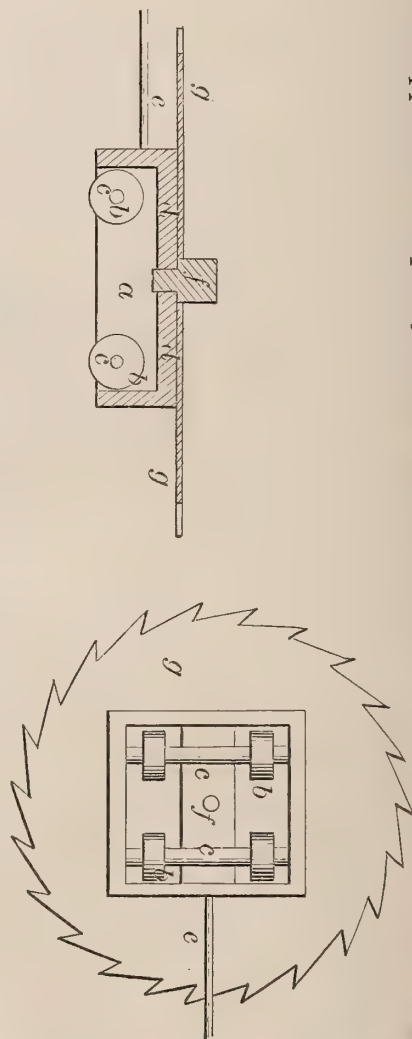
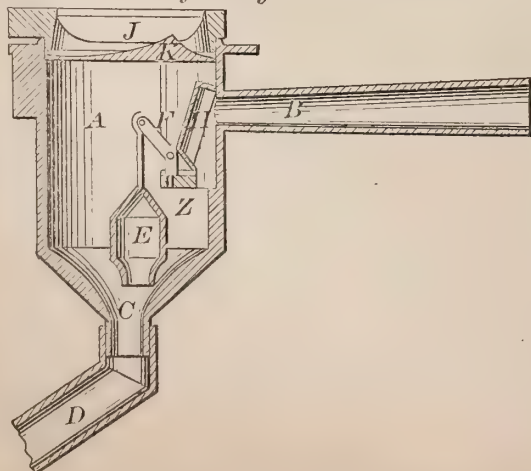
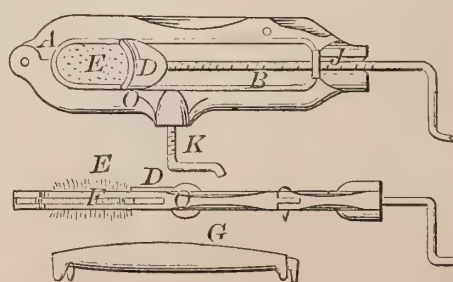
**62539**—F. F. Fowler—*Ice Crusher.*



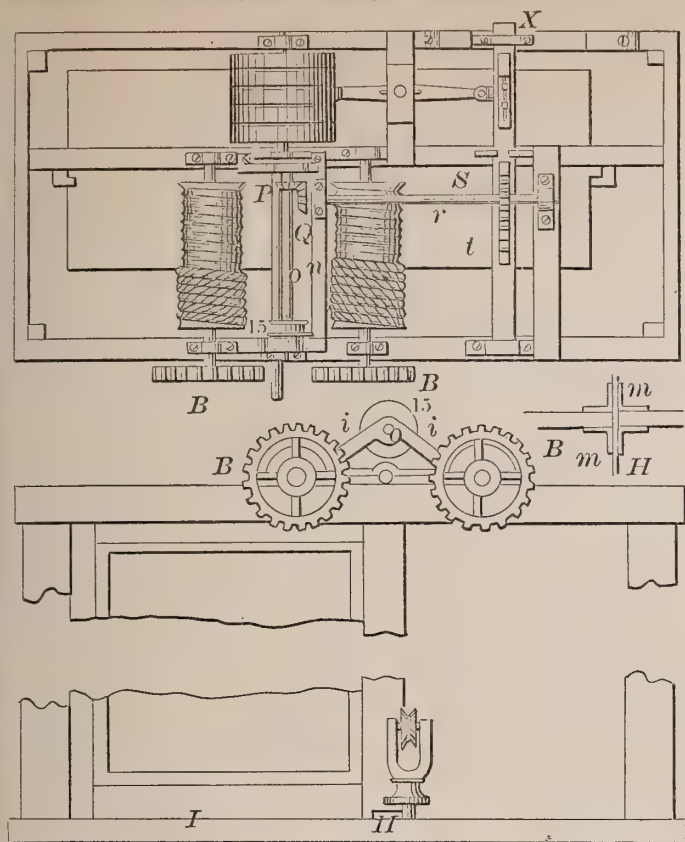
**62541**—A. H. Glose—*Child's Sleigh.*



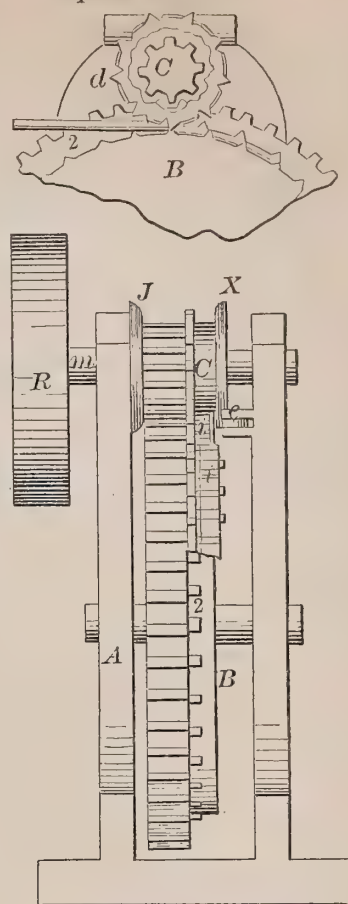


62542—J. A. Hooper—*Nutmeg Grater.*62543—J. M. & E. Ingold—*Carriage Spring.*62544—J. F. Jones—*Switch.*62545—F. F. Landis—*Door Lock.*62546—S. Lippincott—*Tempering Circular Saws.*62547—D. S. Loy—*Tuyere.*62548—Lyon & Hopkins—*Broom Clamp.*

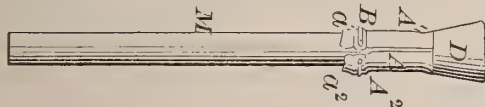
62549—H. Malley—*Hoisting Machine.*



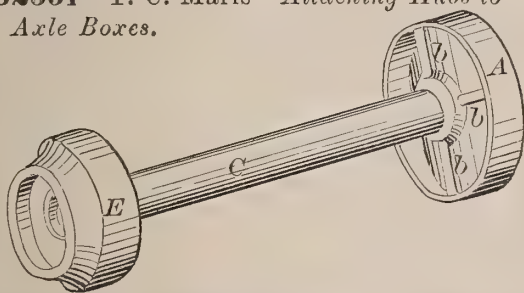
62553—W. W. Martin—*Spike Machine.*



62555—G. Merritt—*Pencil Point Protector.*



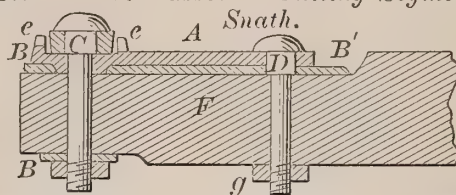
62551—T. C. Maris—*Attaching Hubs to Axle Boxes.*



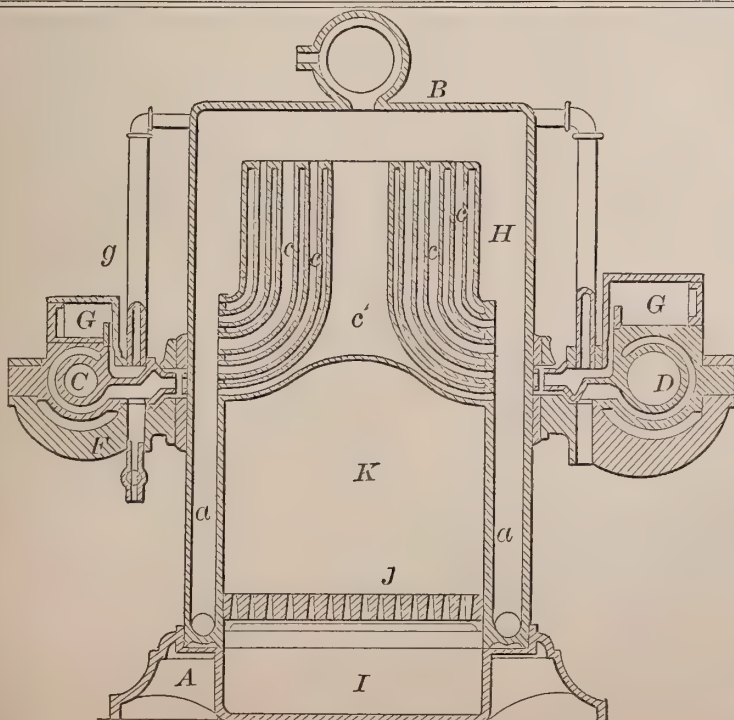
62554—J. B. Martindale—*Hooks and Eyes.*



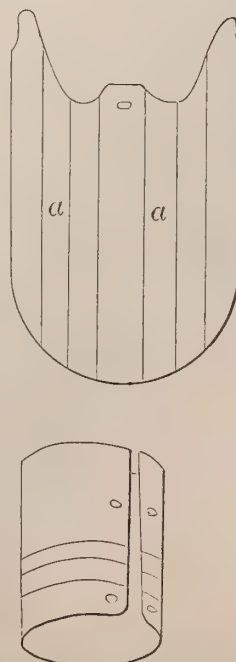
62552—D. W. Marston—*Uniting Scythe and Snath.*



62556—J. H. Mills—*Steam Engine.*

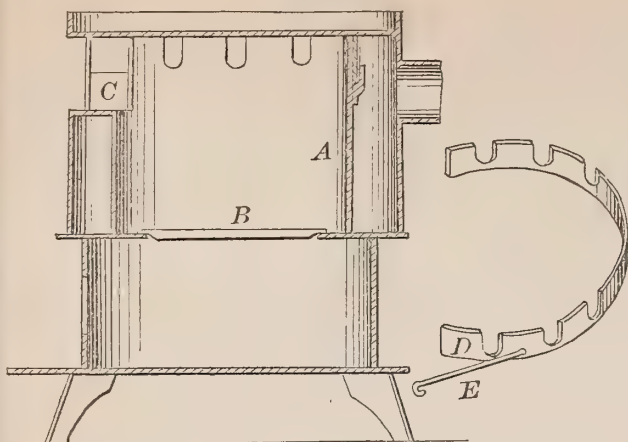


62550—T. W. Mann—*Paper Wearing Apparel.*

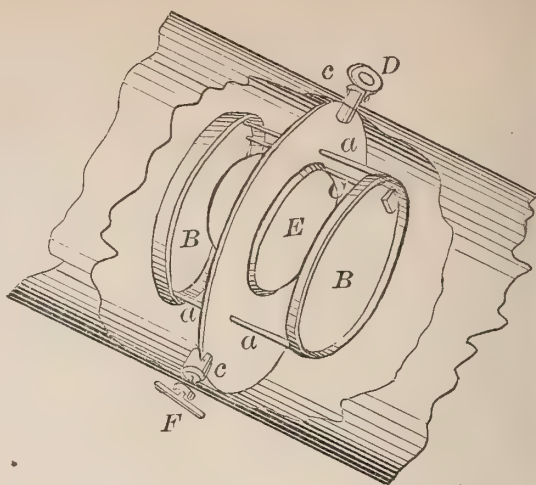




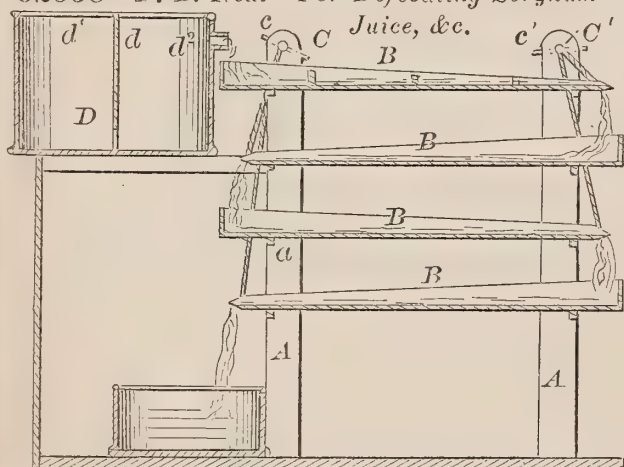
62557—G. R. Moore—*Damper for Flat Iron Heaters.*



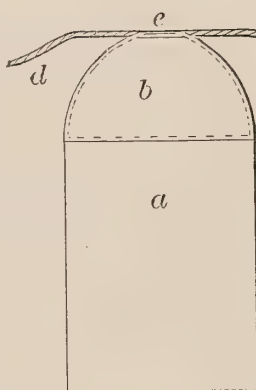
62559—W. V. Perry—*Stove Pipe Damper.*



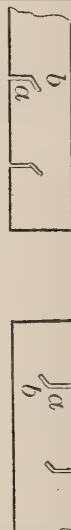
62558—D. B. Neal—*For Defecating Sorghum Juice, &c.*



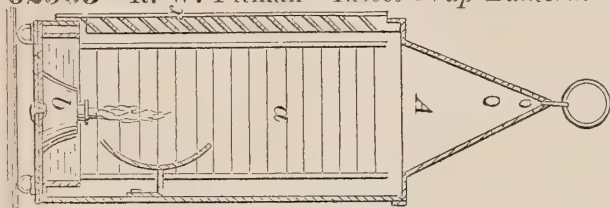
62561—G. E. Percy—*Direction Label.*



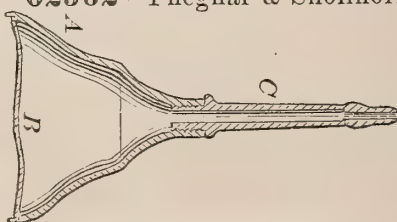
62560—J. W. Petty—*Cotton Bale Tie.*



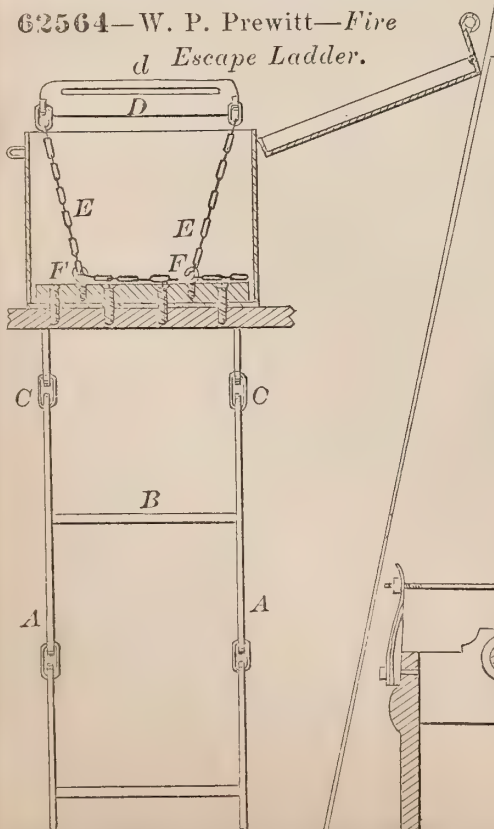
62563—R. W. Pitman—*Insect Trap Lantern.*



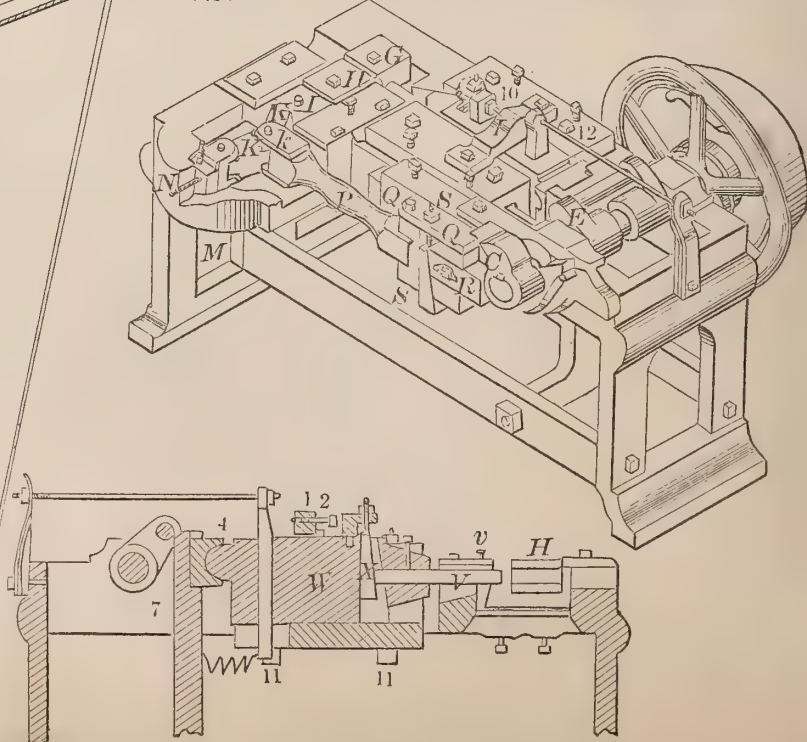
62562—Pfleghar & Shollhorn—*Oiler.*



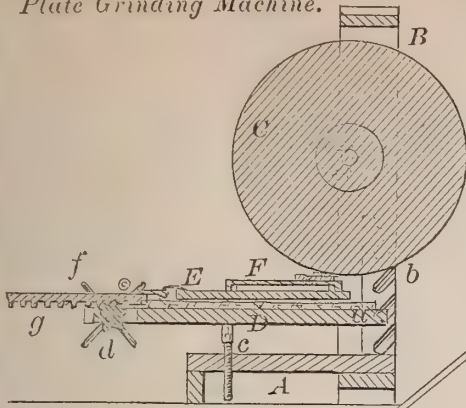
62564—W. P. Prewitt—*Fire Escape Ladder.*



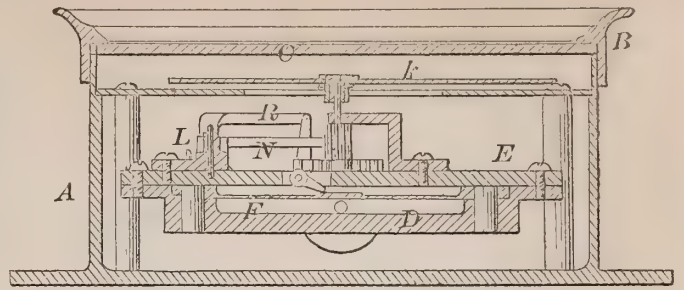
62565—J. C. Reed—*Bolt and Rivet Machine.*



62566—A. R. Reynolds—*Metal Plate Grinding Machine.*



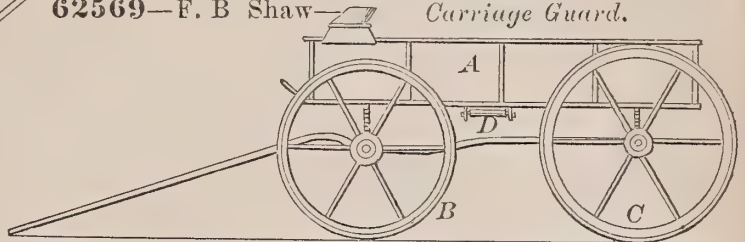
62568—P. Schofield—*Steam Gauge.*



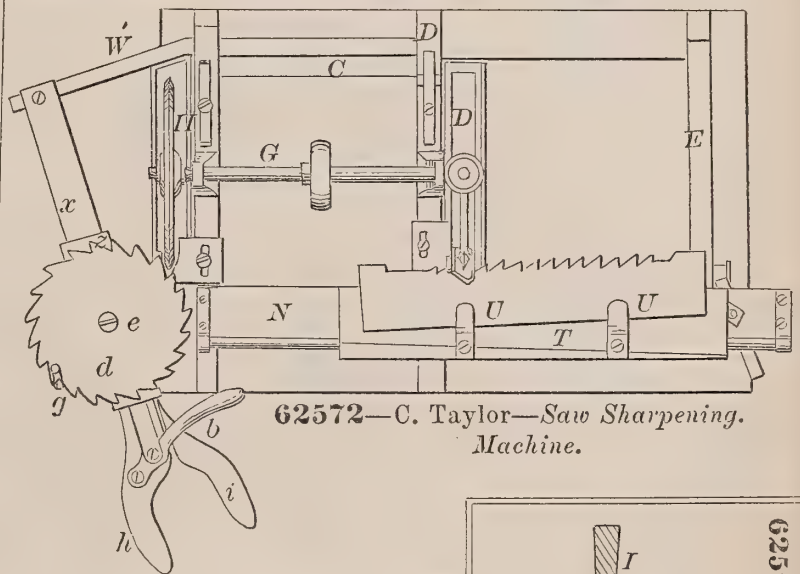
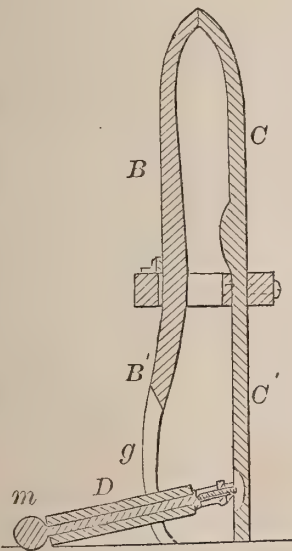
62567—L. F. Rollins—*Mop Wringer.*



62569—F. B. Shaw—*Carriage Guard.*

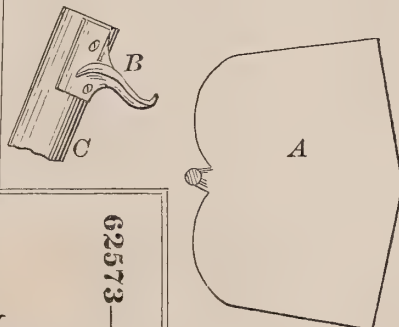


62570—L. A. Smith—*Sewing Horse.*

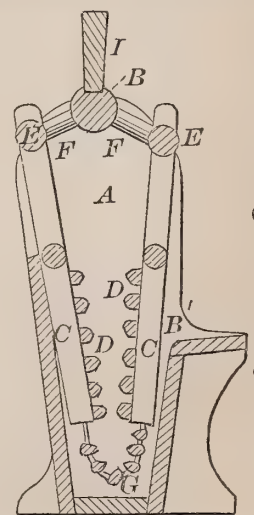


62572—C. Taylor—*Saw Sharpening Machine.*

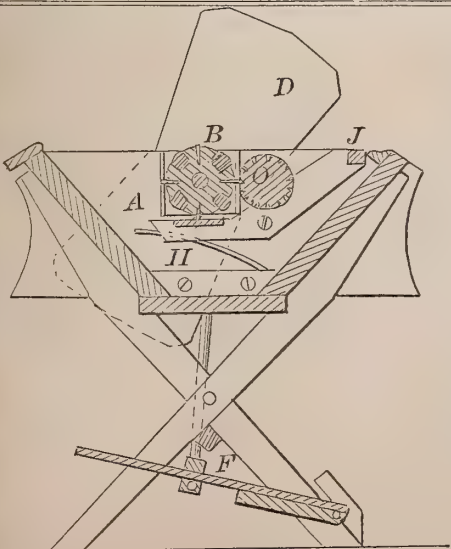
62574—T. R. Timby—*Hoe.*



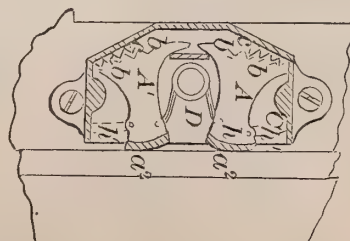
62571—J. Stengel—*Washing Machine.*



62573—J. Thompson—*Washing Machine.*

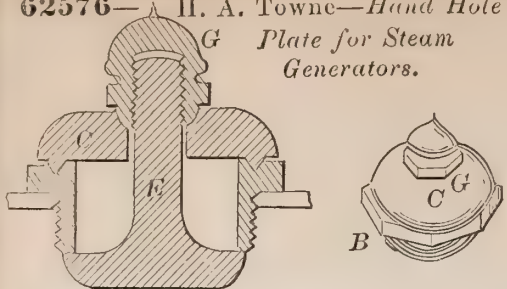


62575—J. B. Tinker—*Sash Lock.*

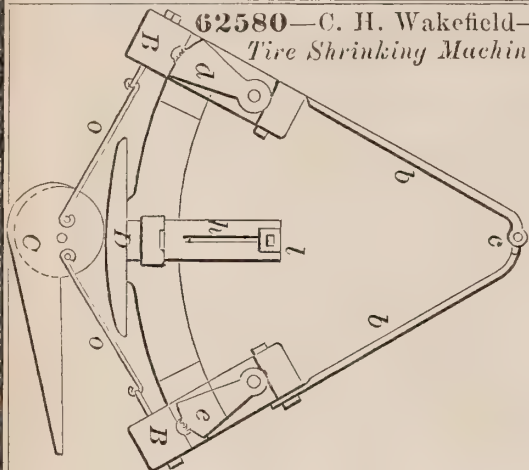




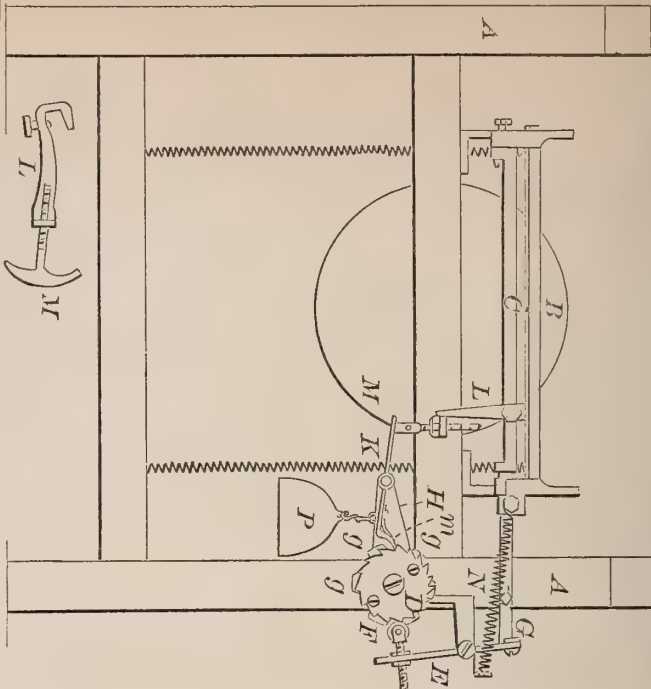
62576—H. A. Towne—*Hand Hole  
G Plate for Steam  
Generators.*



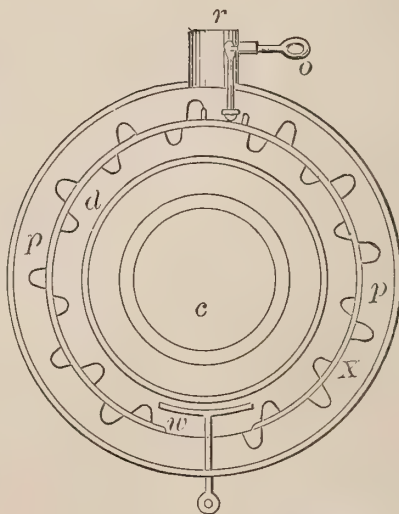
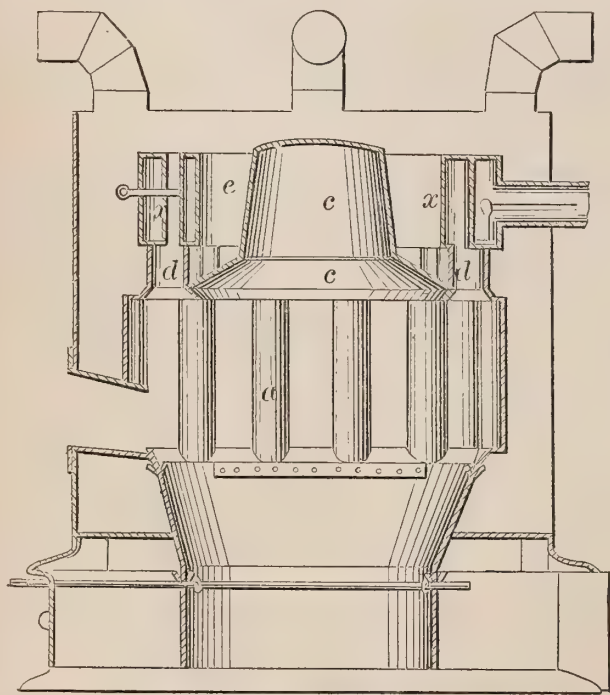
62580—C. H. Wakefield—*Tire Shrinking Machine.*



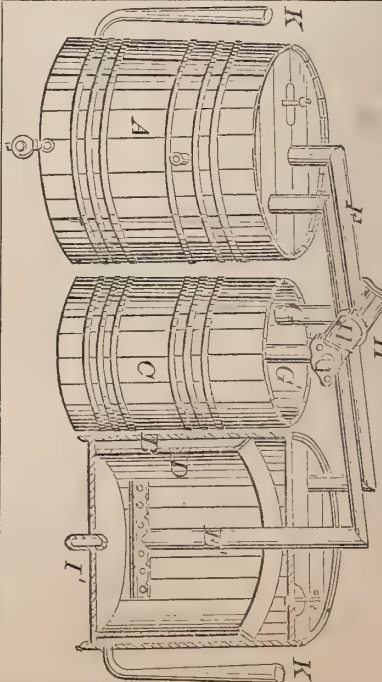
62579—B. Wainwright—*Rib Knitting Loom.*



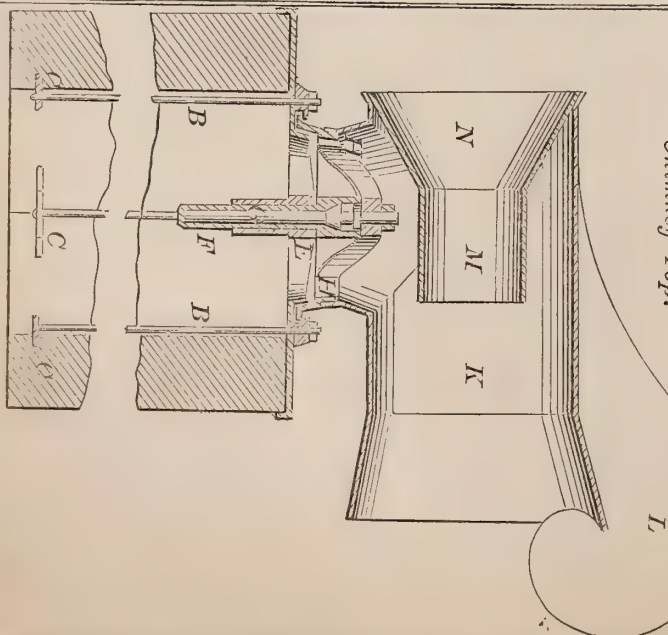
62577—C. W. Trotter—*Hot Air Furnace.*



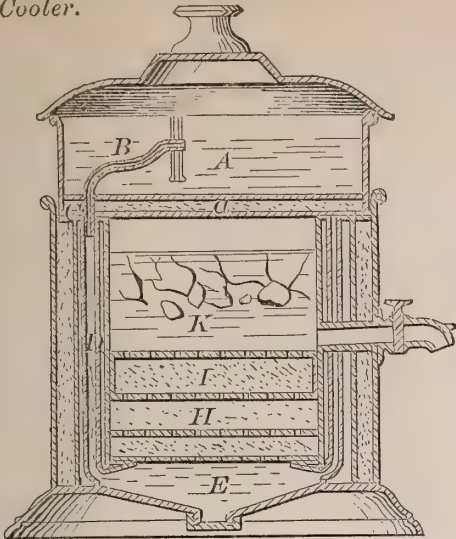
62581—G. Wallace—*For Fermenting Malt, &c.*



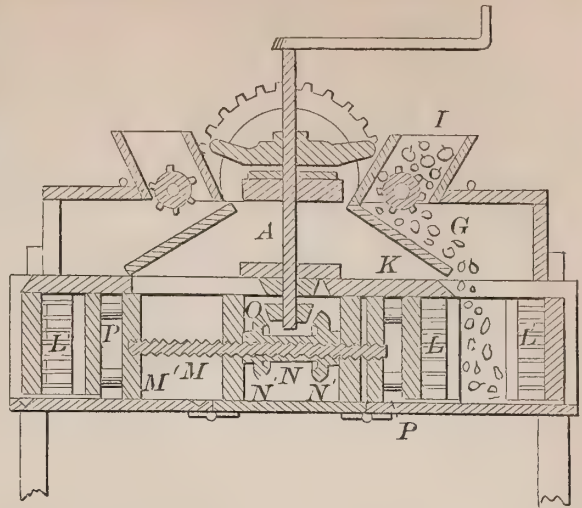
62578—F. Villard—*Revolving  
Chimney Top.*



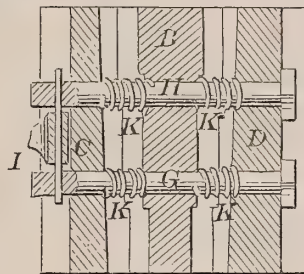
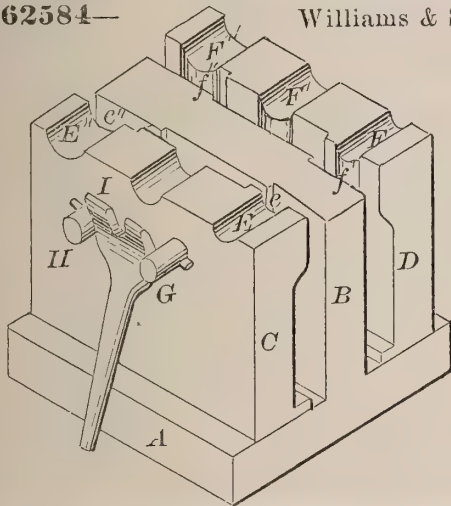
62582—J. C. Whitehill—*Filter and Cooler.*



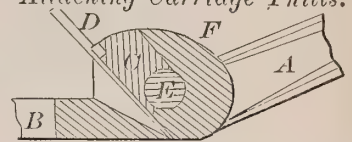
62585—L. Wilson—*Cider Mill.*



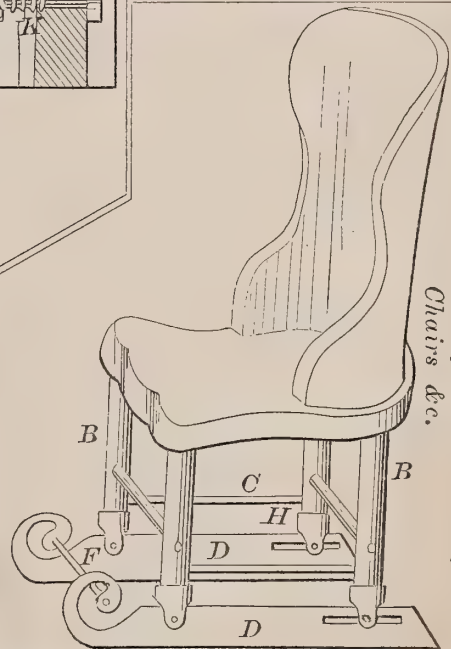
62584—Williams & Short—*Sewage.*



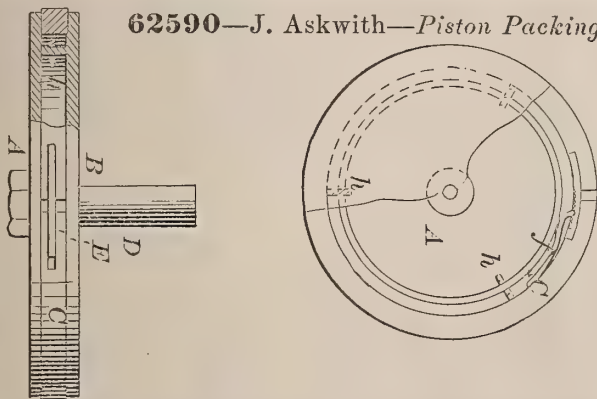
62586—T. H. Wood—*Attaching Carriage Thills.*



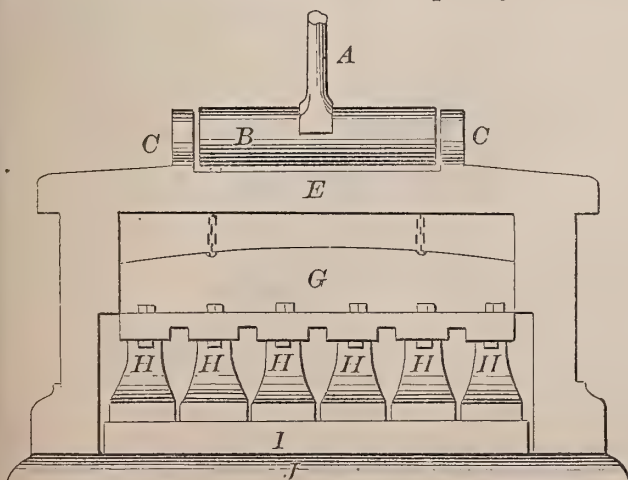
62589—A. Adamson—*Adjustable Runner for Chairs &c.*



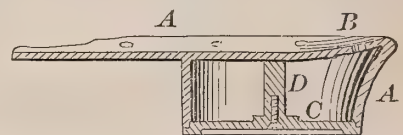
62590—J. Askwith—*Piston Packing.*



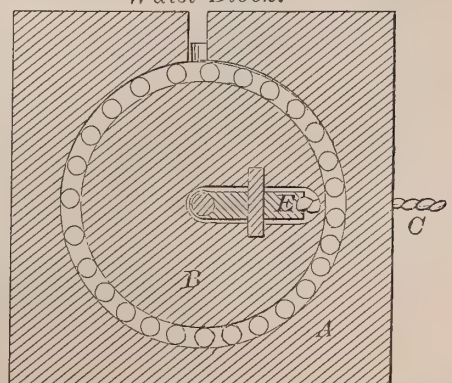
62591—E. C. Atkins—*Saw Tempering Machine.*



62587—J. C. Adams—*Boots and Shoes.*

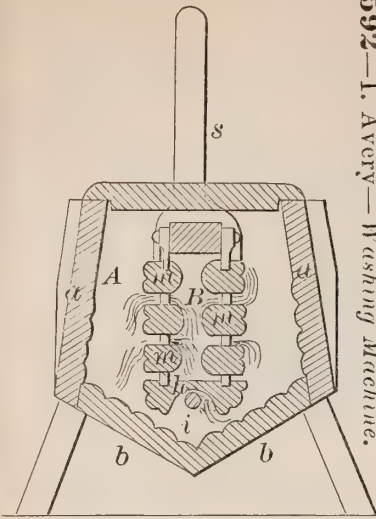


62588—W. T. Adams—*Revolving Waist Block.*

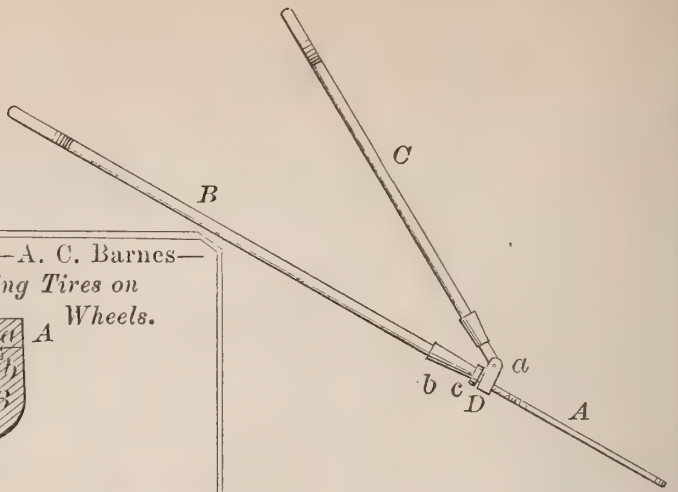




62592—L. Avery—Washing Machine.



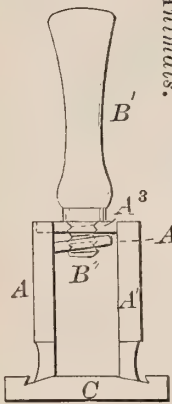
62594—T. Beale—Agricultural Fork.



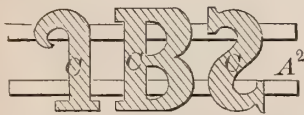
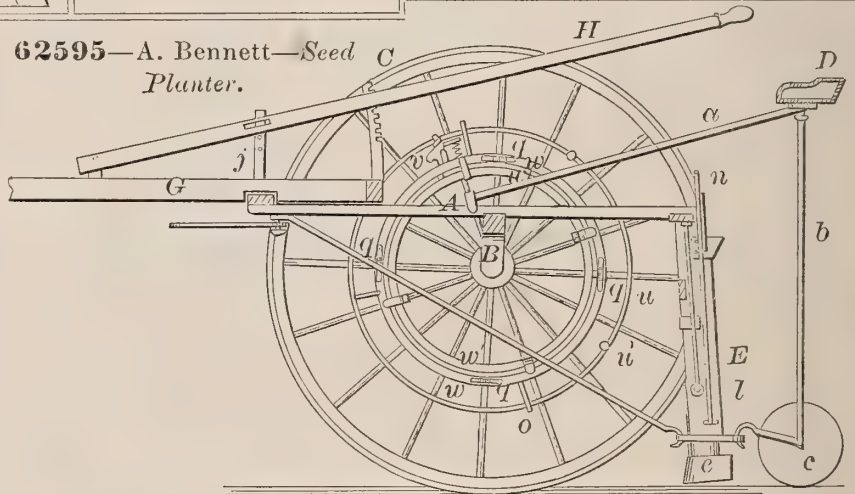
62593—A. C. Barnes—Securing Tires on Wheels.



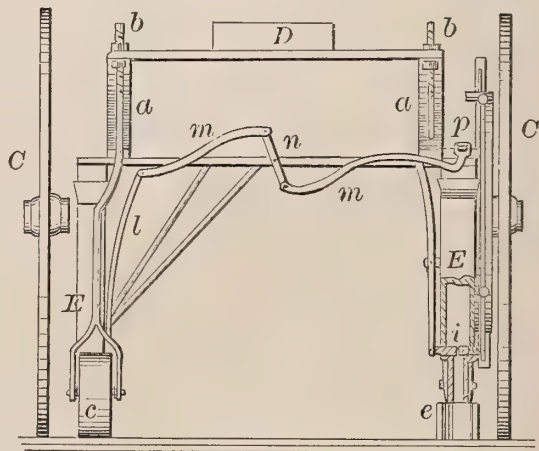
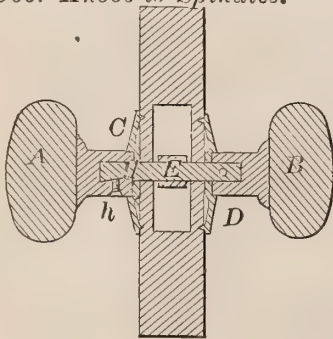
62596—J. S. Bodle—For Marking Animals.



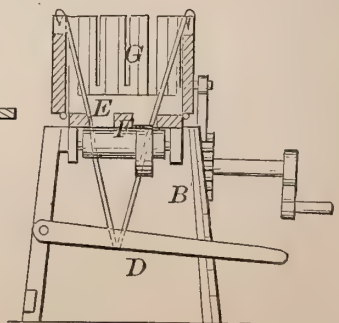
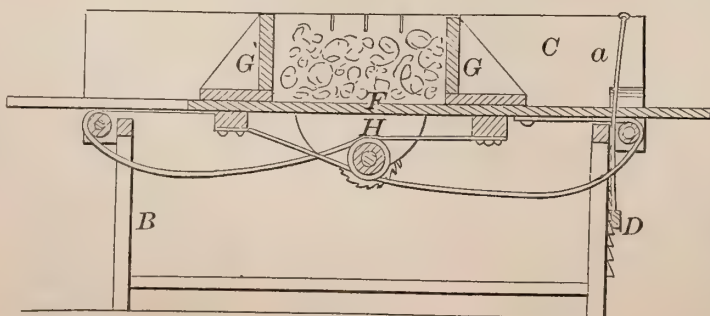
62595—A. Bennett—Seed Planter.



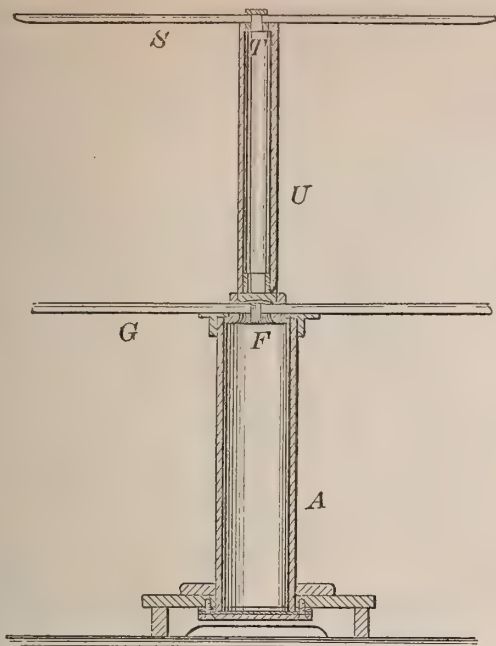
62599—C. B. Bristol—Attaching Door Knobs to Spindles.



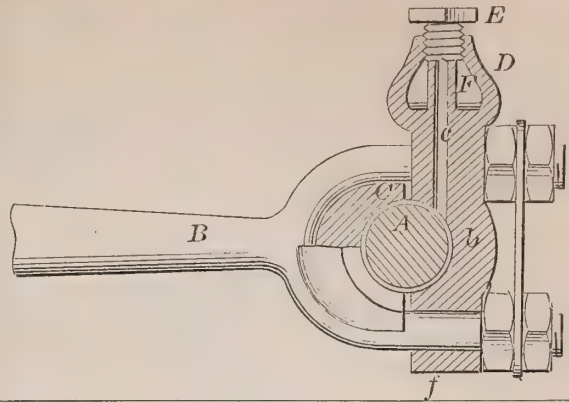
62597—S. C. Bond—Wool Press.



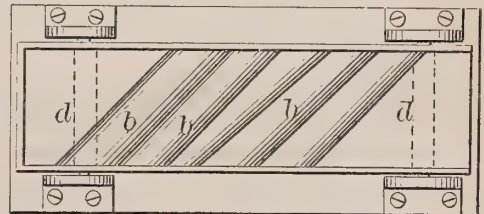
62600—B. Britten—*Clothes Dryer.*



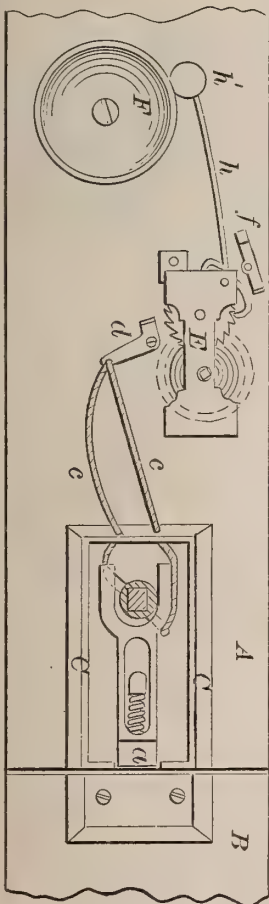
62601—T. S. Brown—*Lubricating Device.*



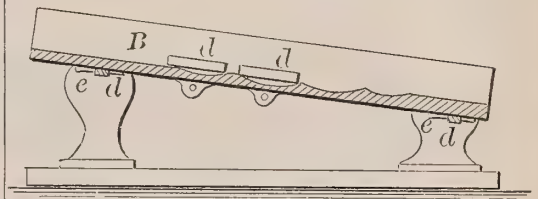
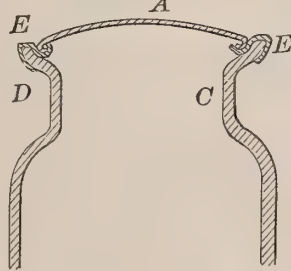
62602—P. S. Buckminster—*Shaking Table for Ores.*



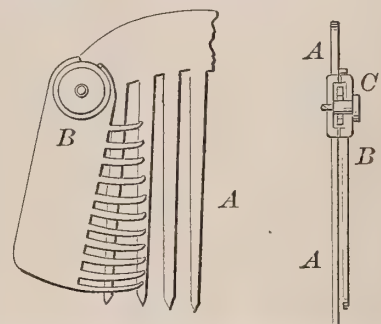
62604—R. Bunker—*Brayley Alarm.*



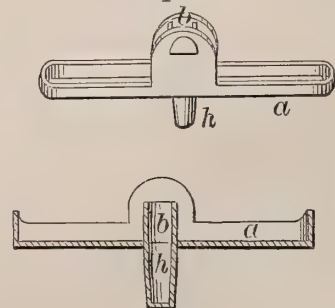
62603—G. W. Buffington—*Fruit Jar.*



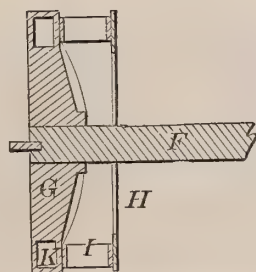
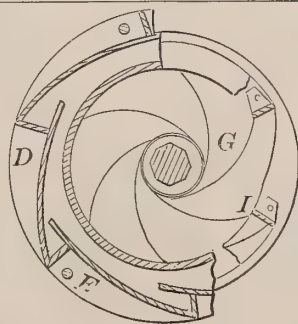
62606—F. A. L. Cassidey—*Comb.*



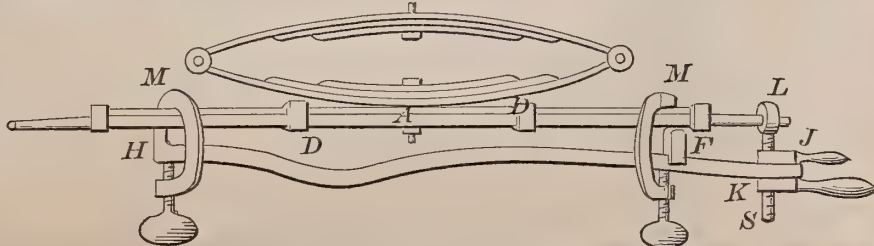
62608—G. R. Clarke—*Blind Slat Clasp and Pivot.*



62605—M. Carpenter—*Water Wheel.*

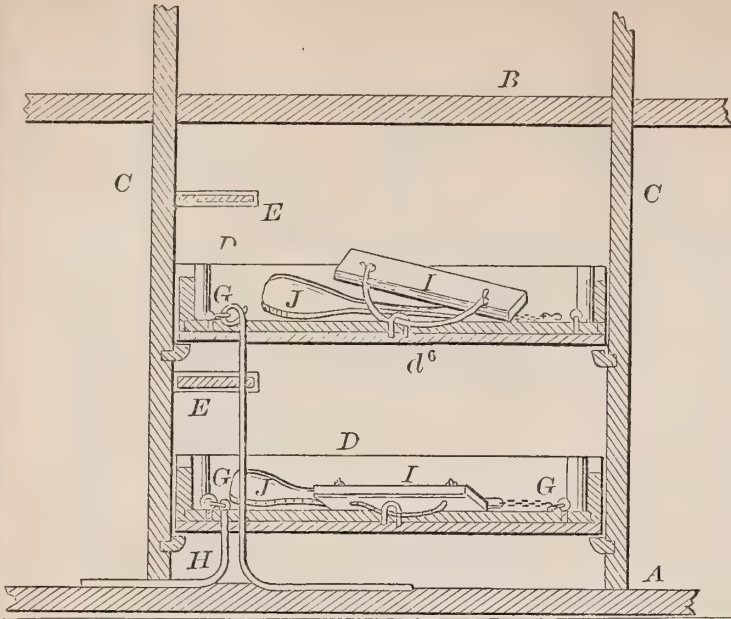


62607—J. Childs—*Carriage Axle Adjuster.*

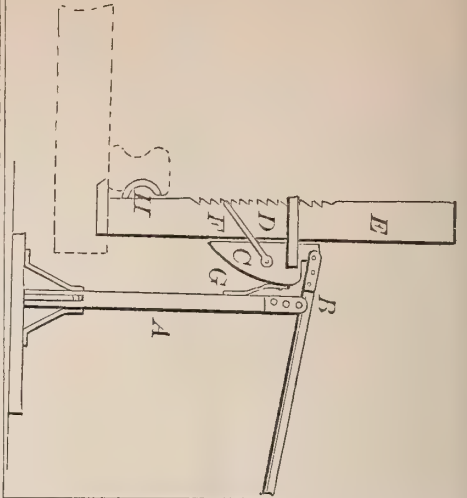




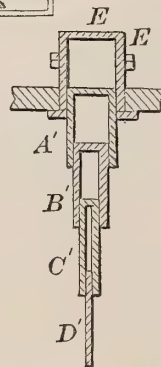
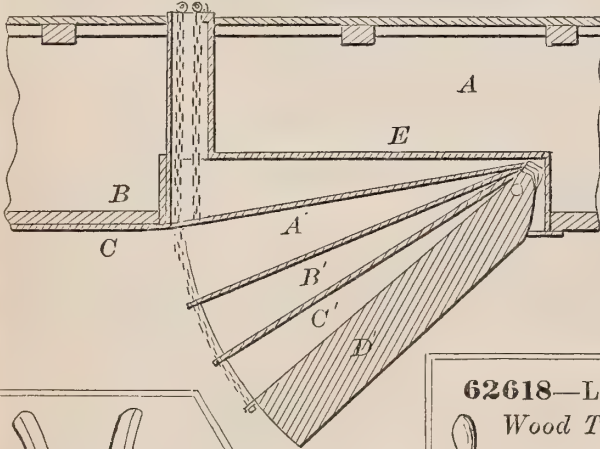
62609—J. J. Clyde—Life Preserving Berth.



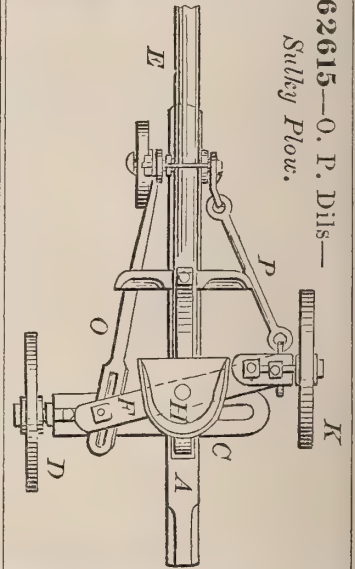
62616—D. Diver—Lifting Jack.



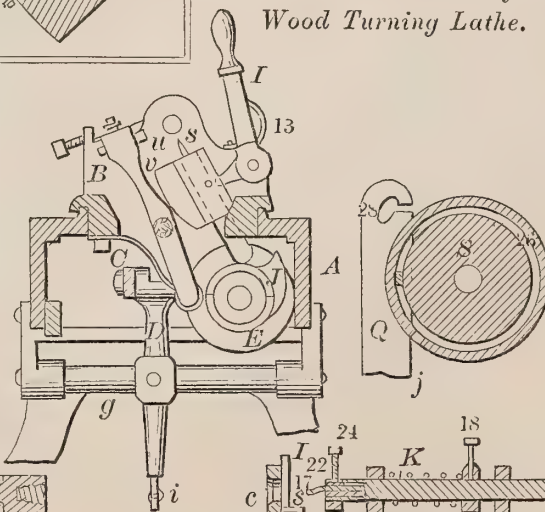
62614—W. F. Davis—Vessel Centre Board.



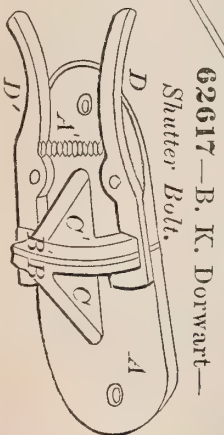
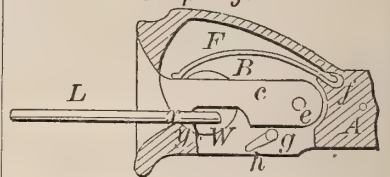
62615—O. P. Dills—Subley Flow.



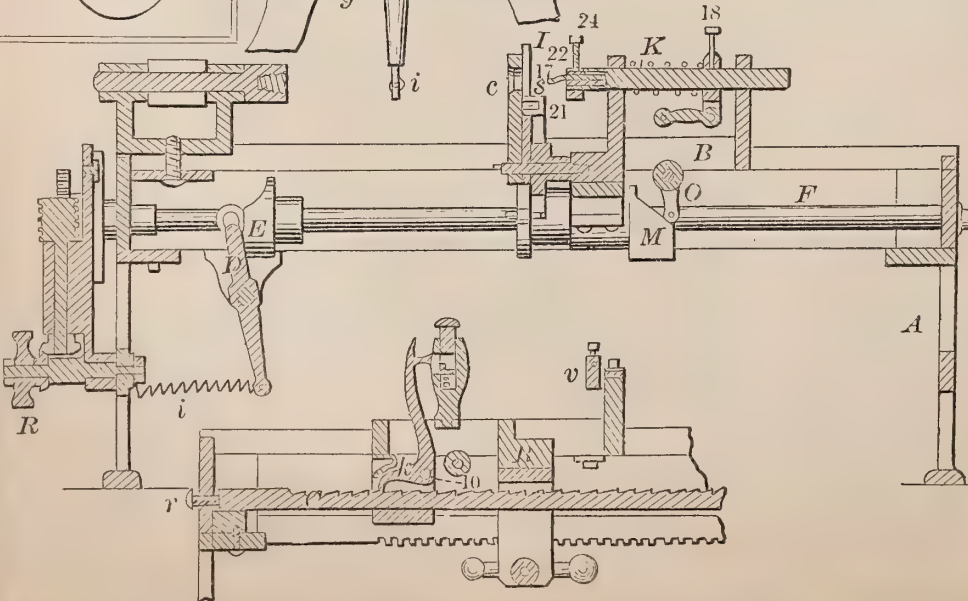
62618—L. H. Dwelley—Wood Turning Lathe.



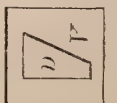
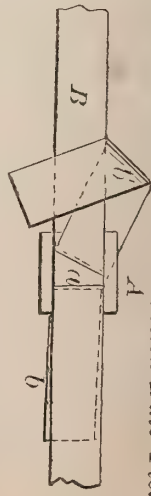
62613—R. A. Cowell—Car Coupling.



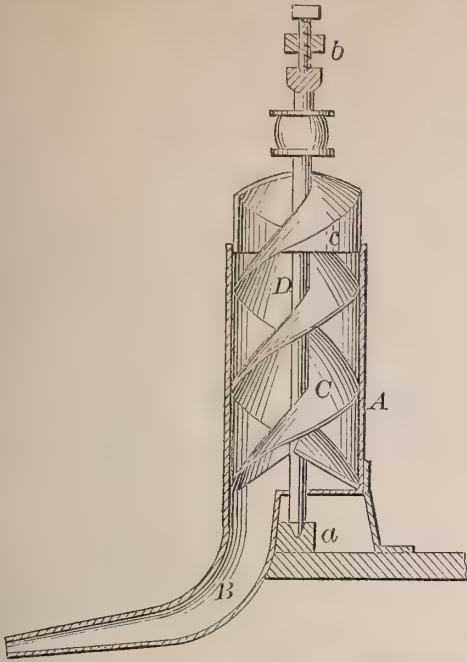
62617—B. K. Dorward—Shutter Bolt.



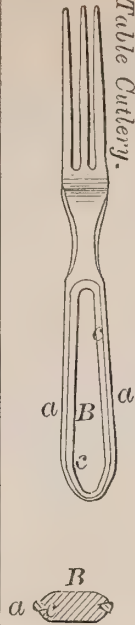
62610—B. Coleman—Cotton Bale Tie.



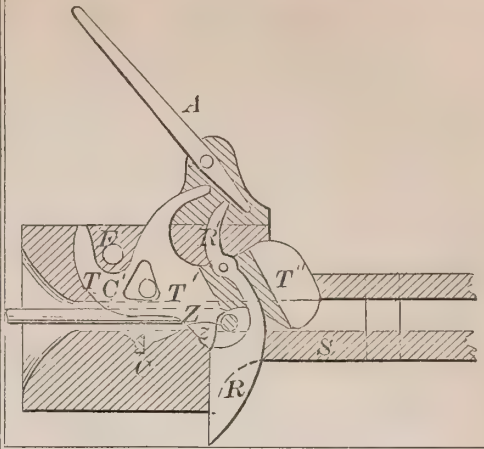
62620—F. Engel—Blower.



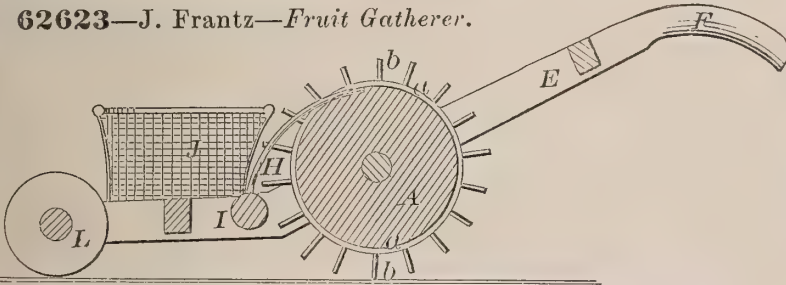
62626—J. W. Gardner—Attaching Handles to Table Cutlery.



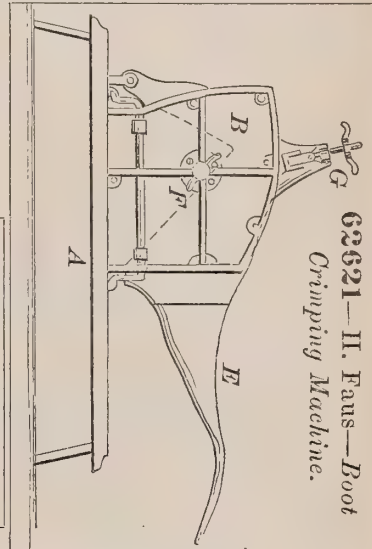
62625—M. Gally—Car Coupling.



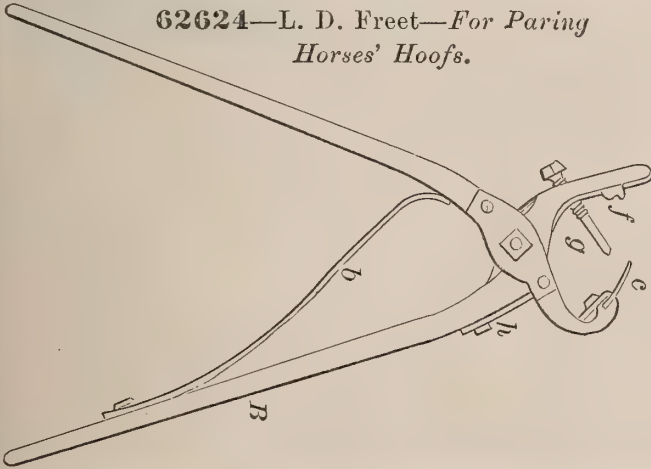
62623—J. Frantz—Fruit Gatherer.



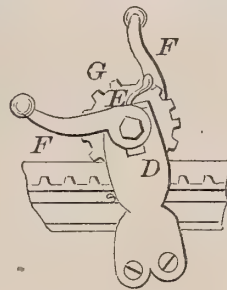
62621—H. Faus—Boot Crimping Machine.



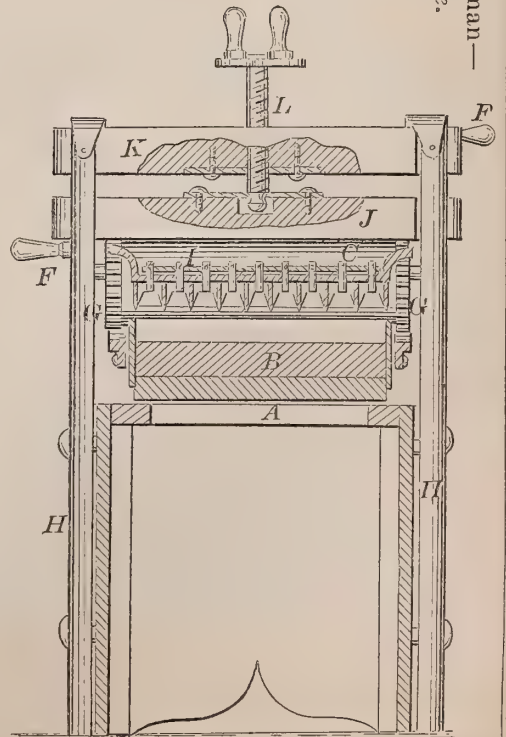
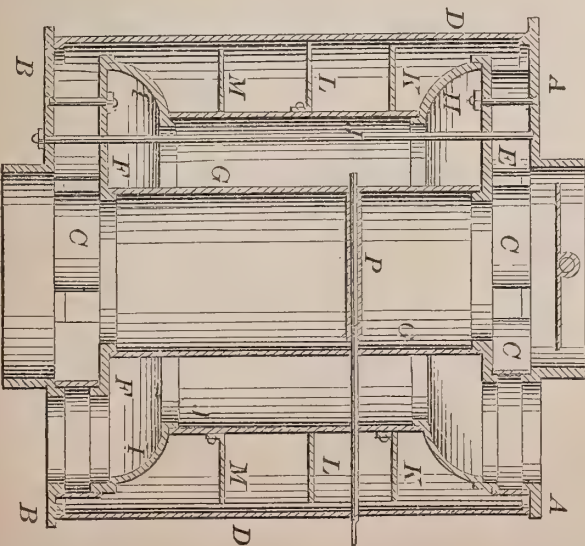
62624—L. D. Freet—For Paring Horses' Hoofs.



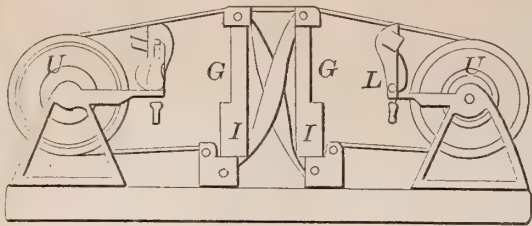
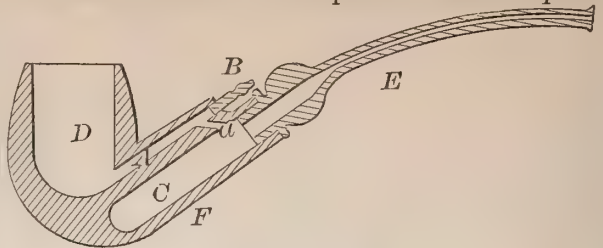
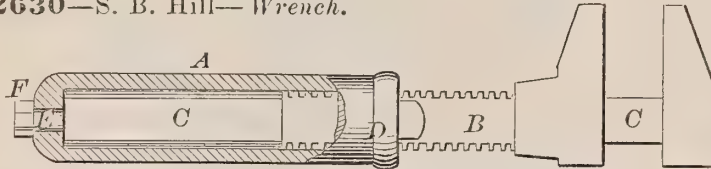
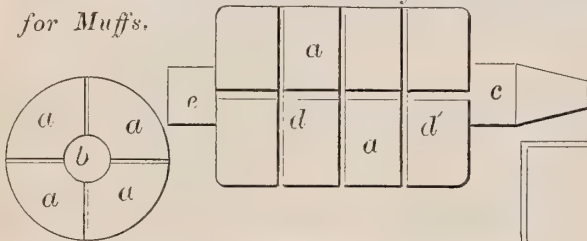
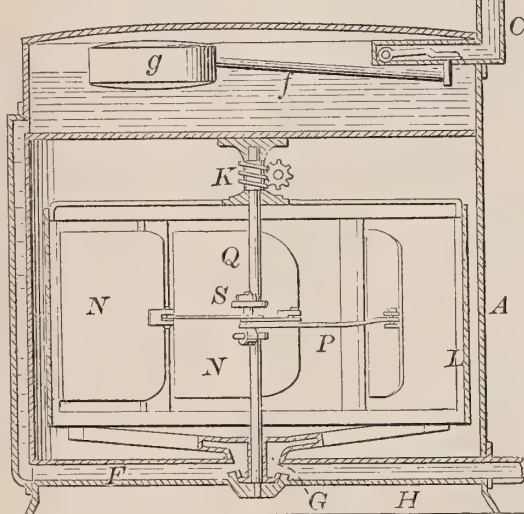
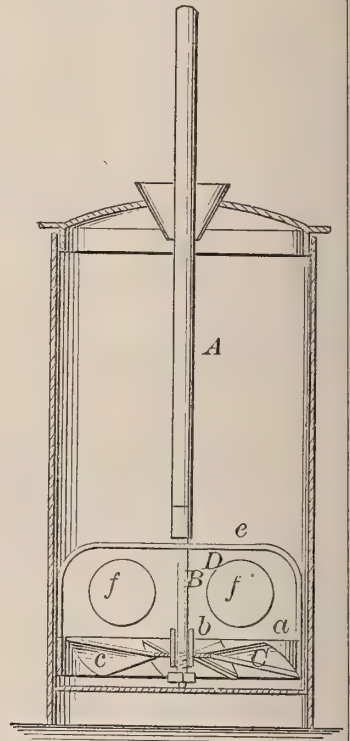
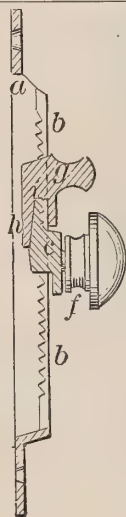
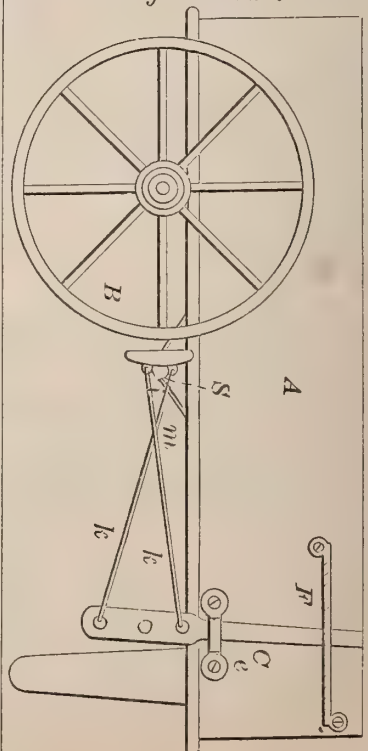
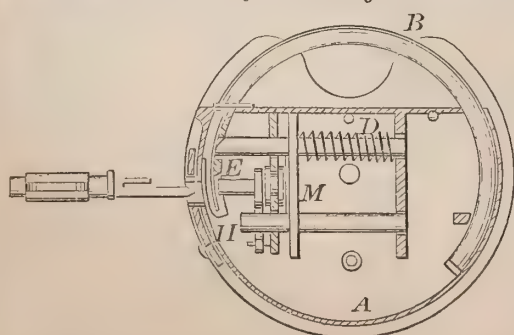
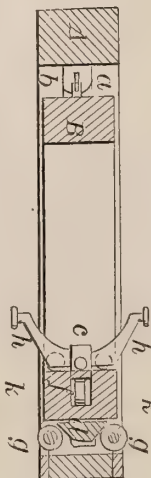
62628—C. C. Harriman—Corn Cake Machine.



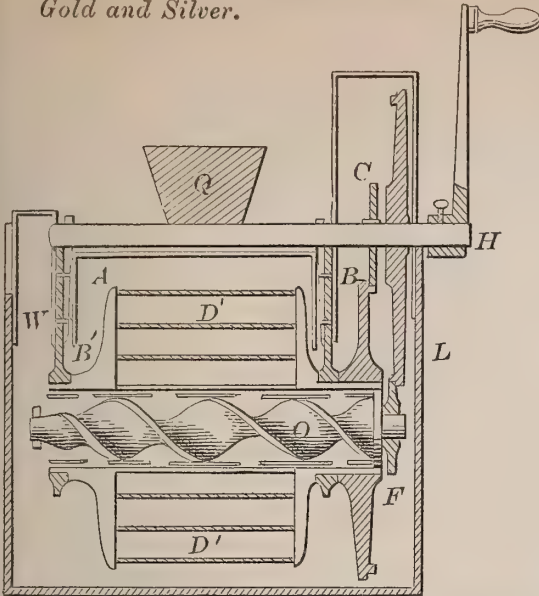
62627—G. H. Hammond—Store Pipe Drum.



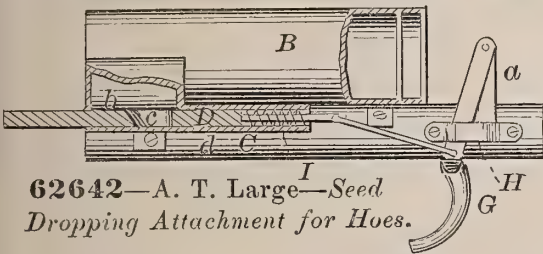
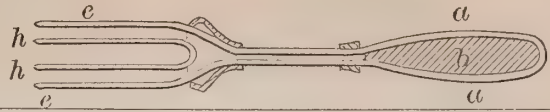


**62629**—G. Healy—*For Peeling Willow.***62631**—J. & G. Hochapfel—*Tobacco Pipe.***62630**—S. B. Hill—*Wrench.***62632**—Hellwede & Brzezinsky—*Block Former for Muffs.***62634**—H. J. Hyams—*Water Meter.***62633**—A. B. Hutchins—*Churn Dasher.***62635**—E. M. Judd—*Curton Fixture.***62638**—Kirkman & Gray—*Wagon Brake.***62636**—Z. Kelley—*Sealing Padlock.***62637**—W. H. Kellogg—*Gate Latch.*

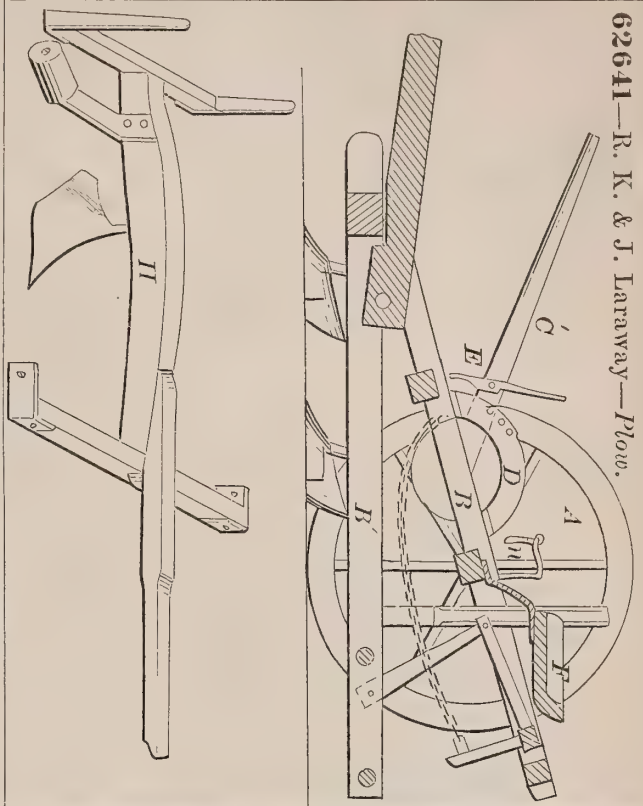
**62639**—M. Laflin—*For Amalgamating Gold and Silver.*



**62640**—E. G. Lamson—*Table Fork.*

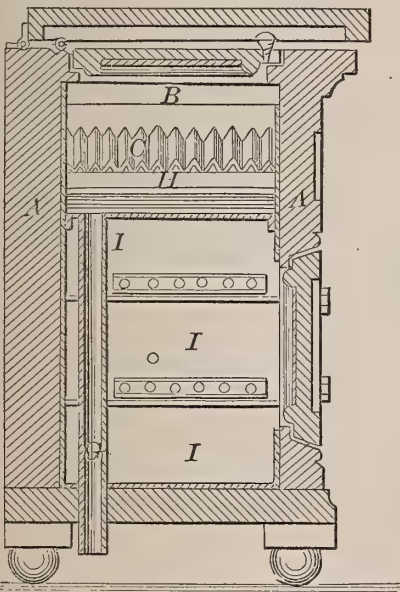


**62642**—A. T. Large—*Seed Dropping Attachment for Hoes.*

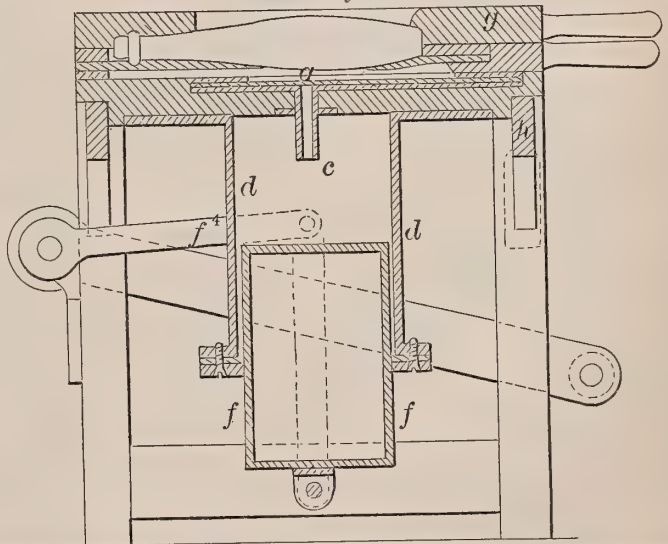


**62641**—R. K. & J. Laraway—*Plow.*

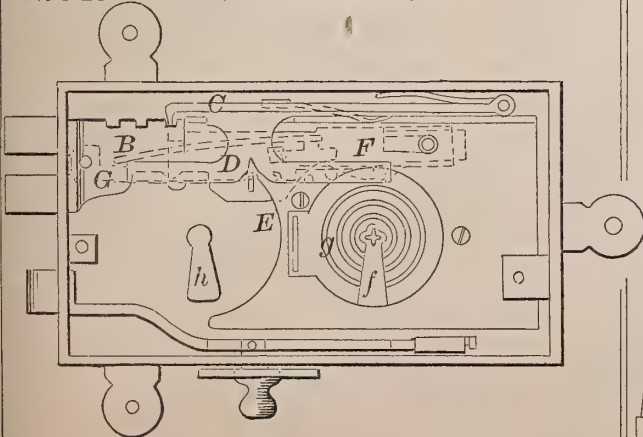
**62643**—W. Law—*Refrigerator.*



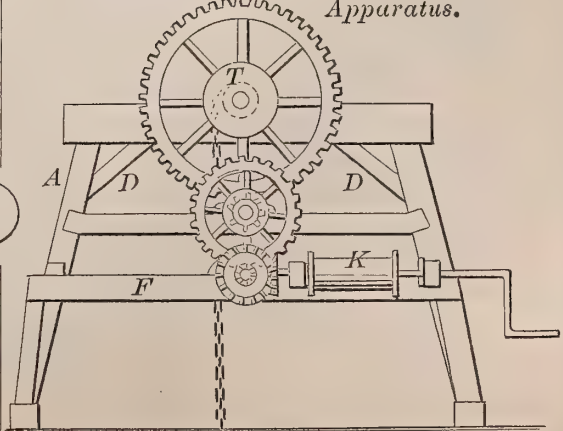
**62646**—A. Leighton—*For Printing on Uneven Surfaces.*



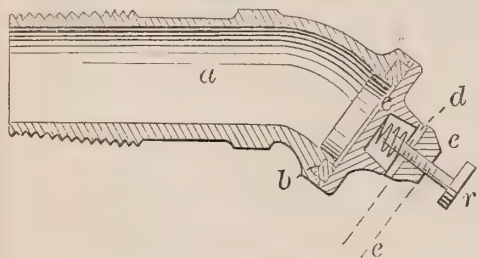
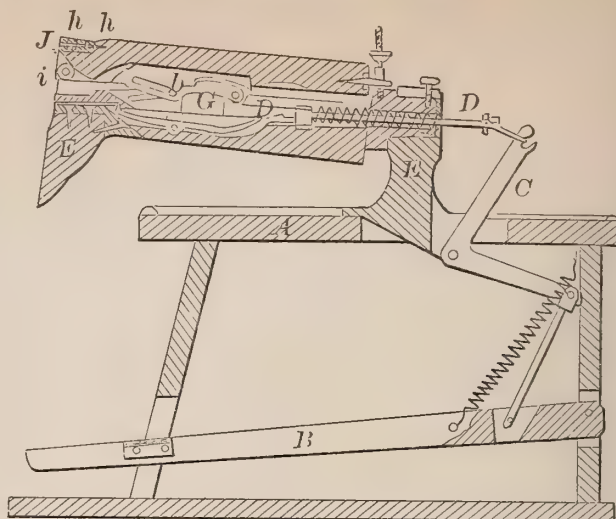
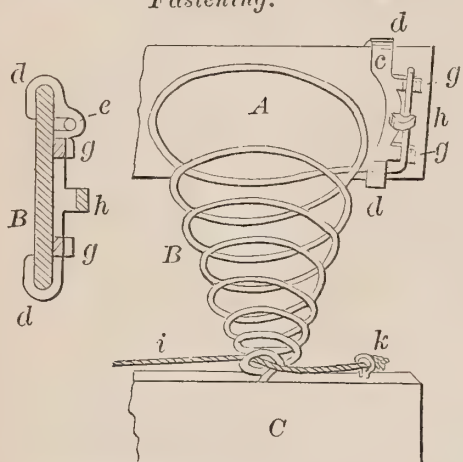
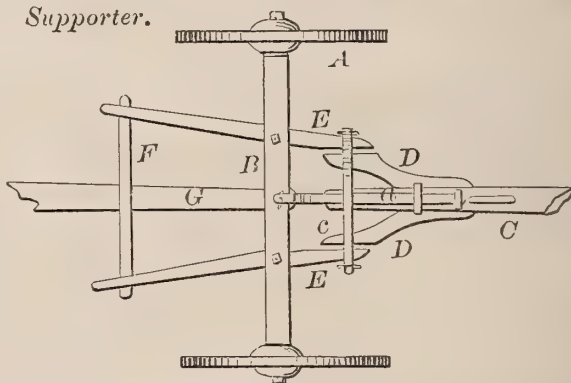
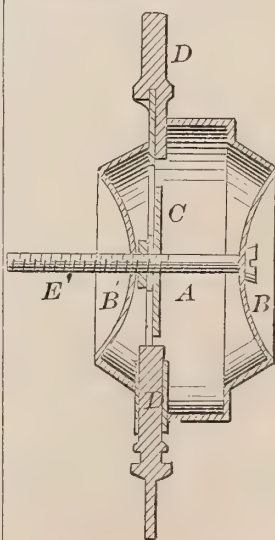
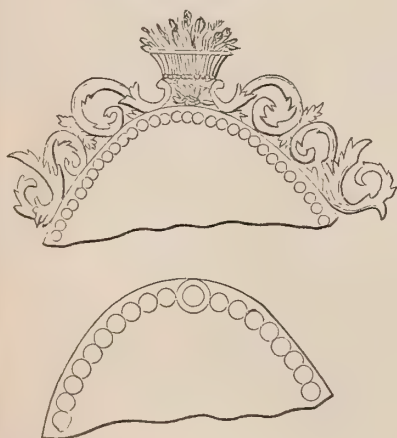
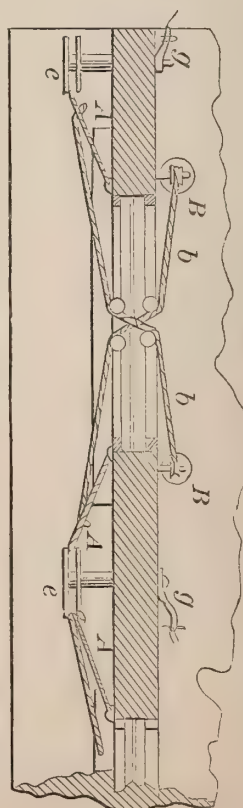
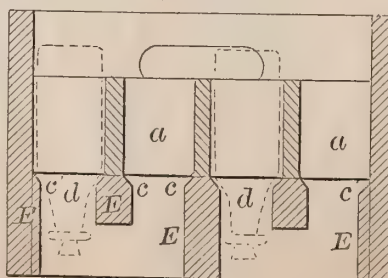
**62645**—A. Leich—*Door Lock.*



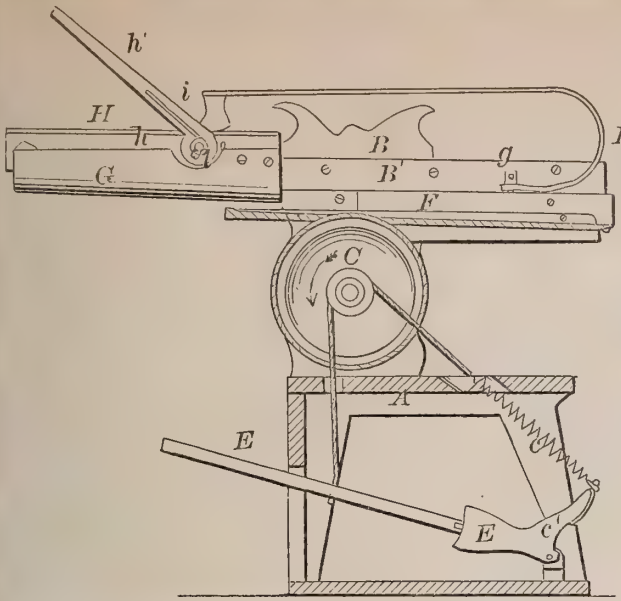
**62647**—A. R. Lemmon—*Hoisting Apparatus.*



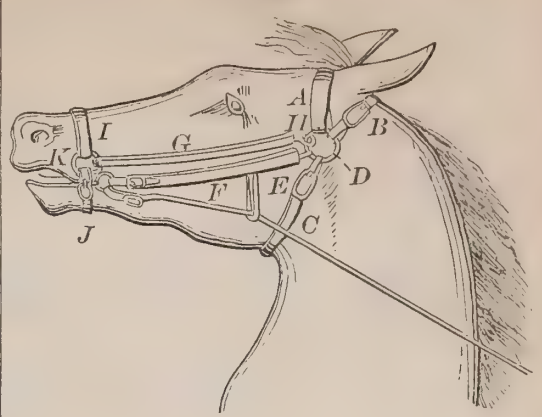


62648—I. Levine—*Cuff*.62652—T. Mace—*Molasses Gate*.62649—R. L. Lewis—*Boot Tree*.62653—D. Manuel—*Bed Spring Fastening*.62651—Higley & Toothaker—*Wagon Tongue Supporter*.62654—T. C. March—*Ornamenting Mirrors*.62655—M. S. Marshall—*Stove Pipe Damper*.62656—W. C. Marshall—*Blind Fastening*.62658—J. Matthews—*Box for Holding Bottles*.62657—C. F. Martine—*Lamp Wick*.

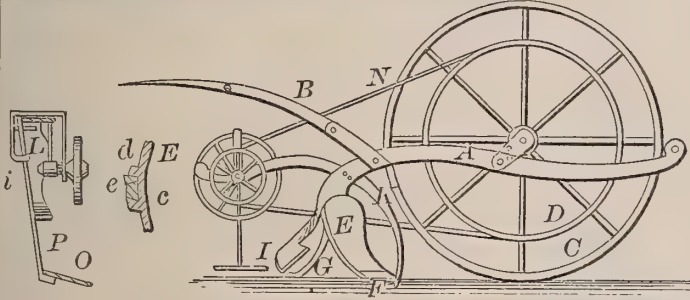
62659—W. May—For Pressing Leather Seams.



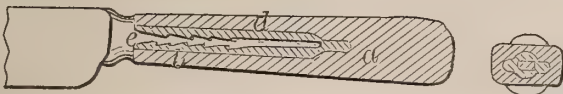
62662—J. McKibben—Bridle and Halter.



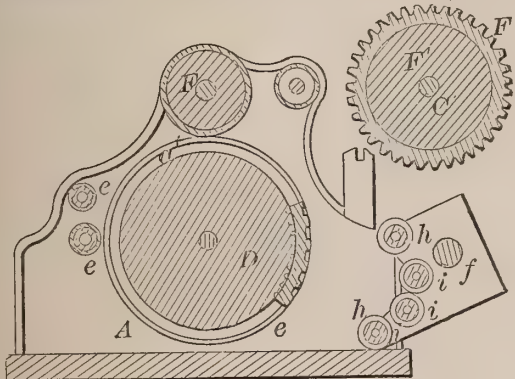
62660—W. McCracken—Cotton Cultivator.



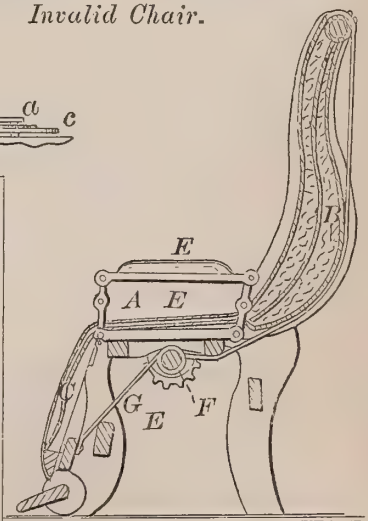
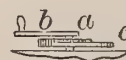
62661—T. McGrah—Cutlery.



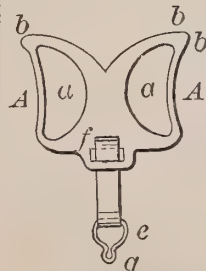
62666—I. L. Miles—For Printing on Glass.



62663—J. N. McMullen—Invalid Chair.



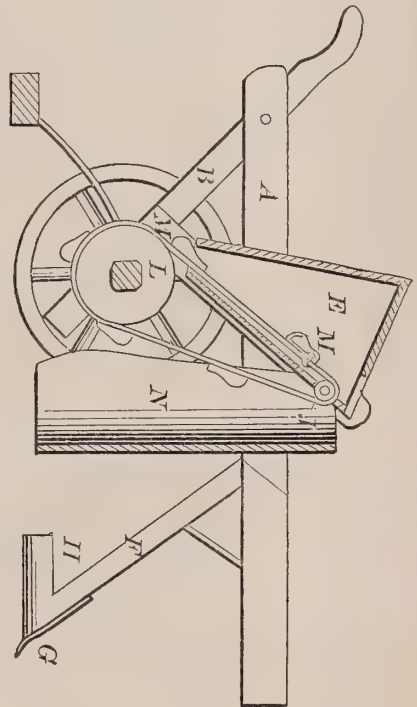
62665—J. C. Merritt—Neck Tie Retainer.



62667—L. Morehouse—Bag Tie.

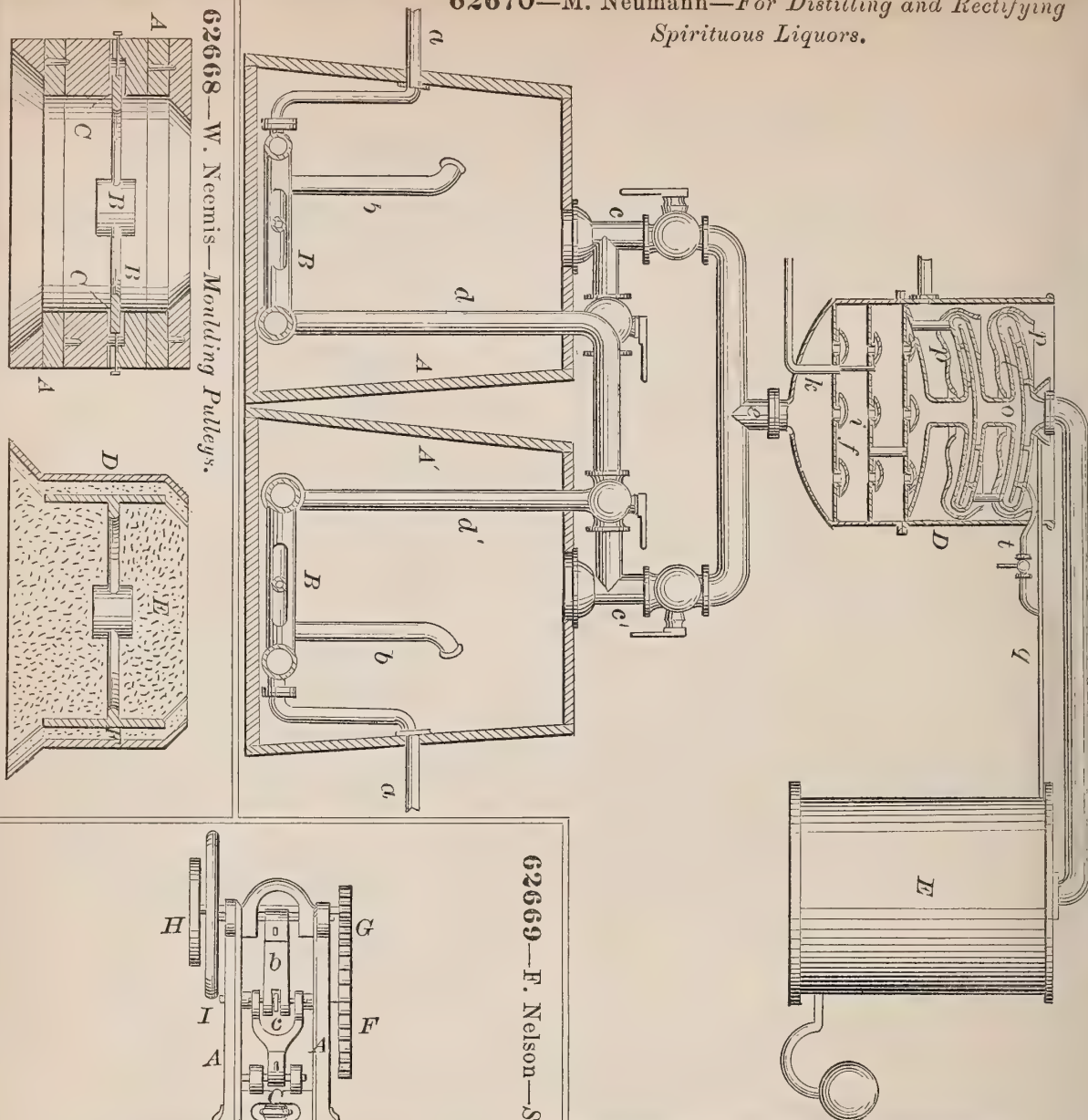


62664—Merrymon & Dunn—Cotton Seed Planter.

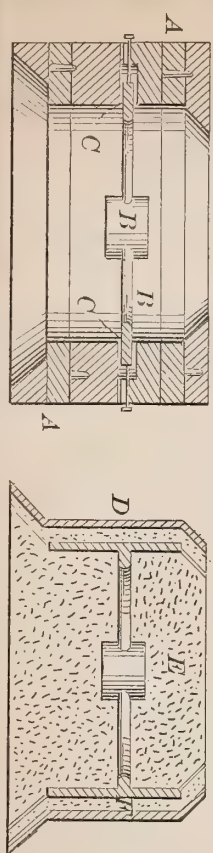




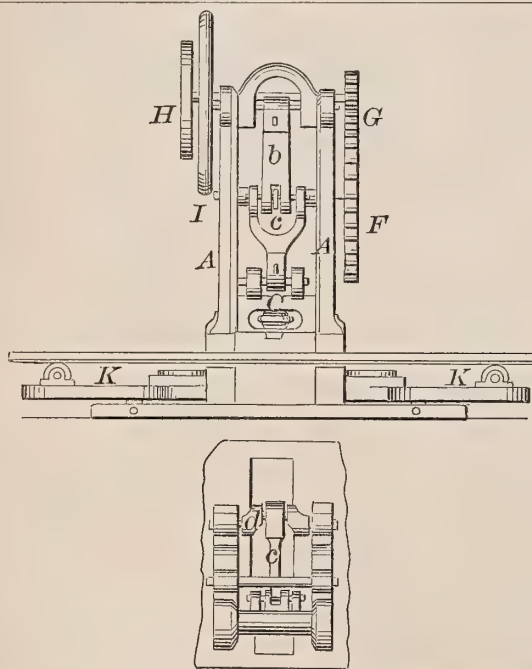
**62670**—M. Neumann—*For Distilling and Rectifying Spirituous Liquors.*



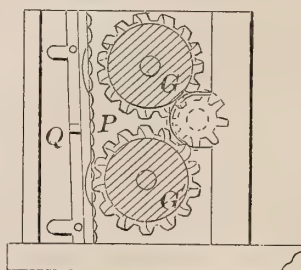
**62668**—W. Neemis—*Moulding Pulleys.*



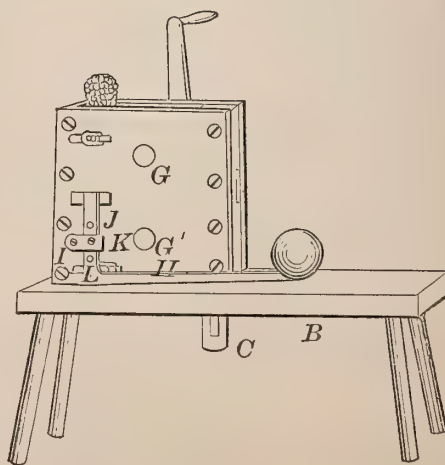
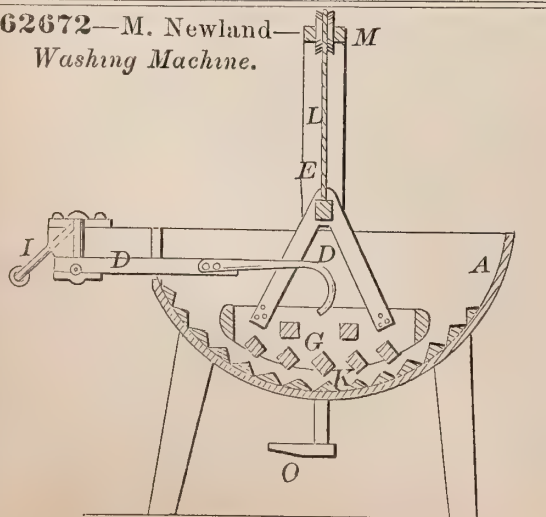
**62669**—F. Nelson—*Strightening Railroad Rails*



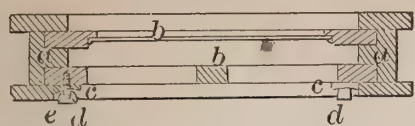
**62671**—L. T. Newell—*Corn Sheller.*



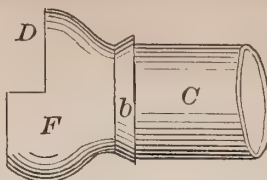
**62672**—M. Newland—*Washing Machine.*



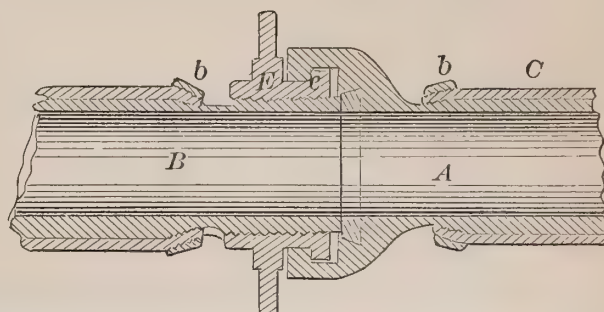
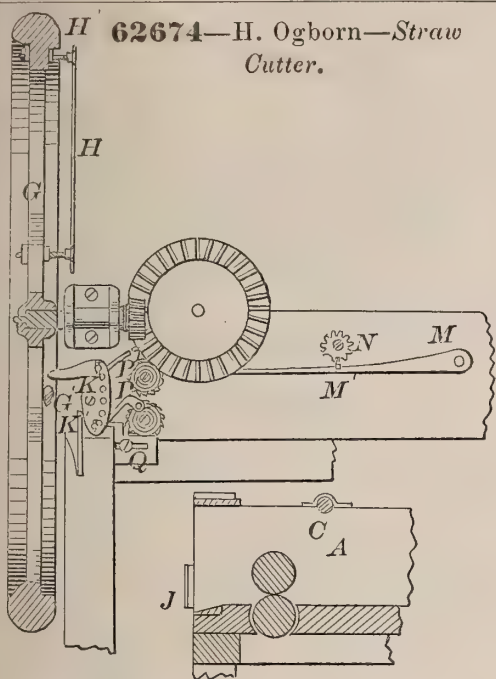
62673—G. Nimmo—*Sash Supporter.*



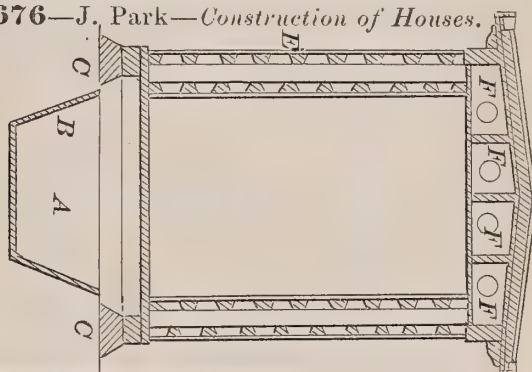
62675—Osbourne & Massey—*Hose Coupling.*



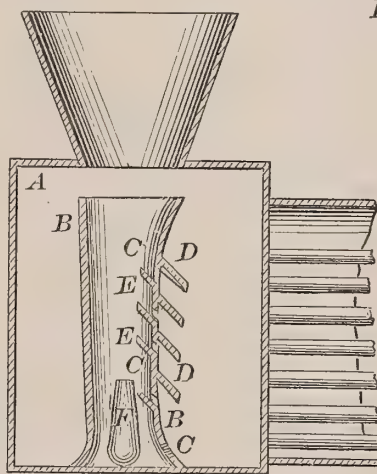
62674—H. Ogborn—*Straw Cutter.*



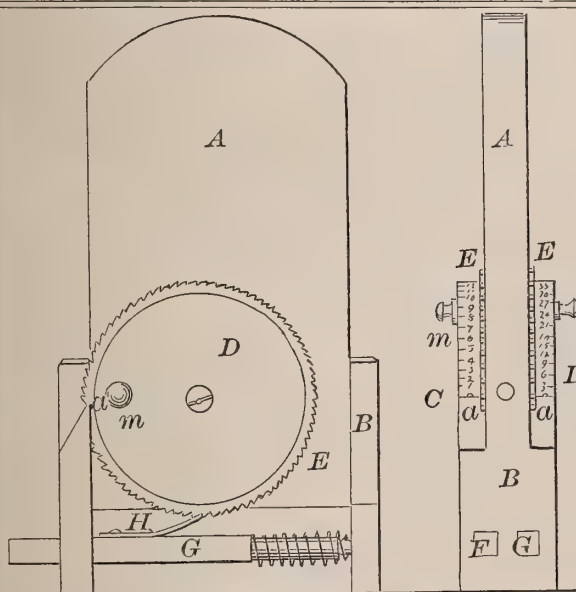
62676—J. Park—*Construction of Houses.*



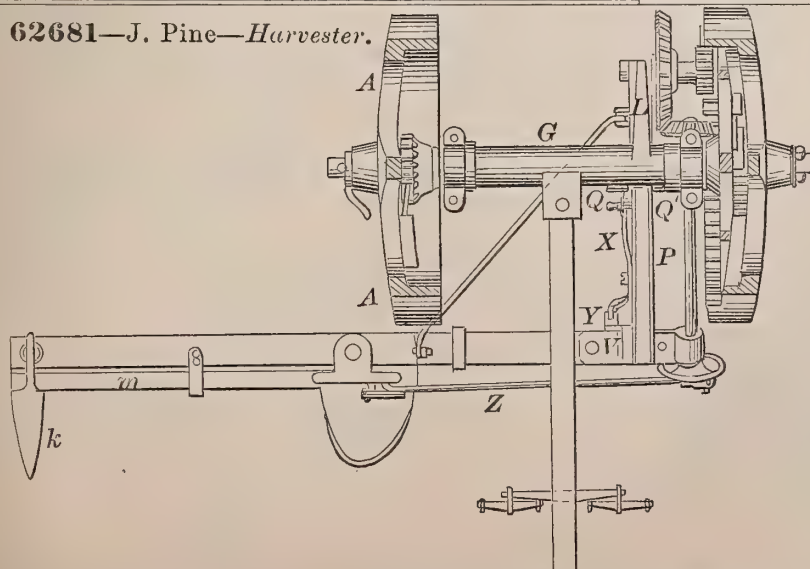
62680—A. Pearsall—*Locomotive Draft Pipe.*



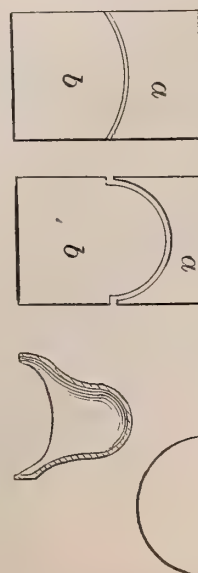
62677—V. Parks—*Adding Machine.*



62681—J. Pine—*Harvester.*



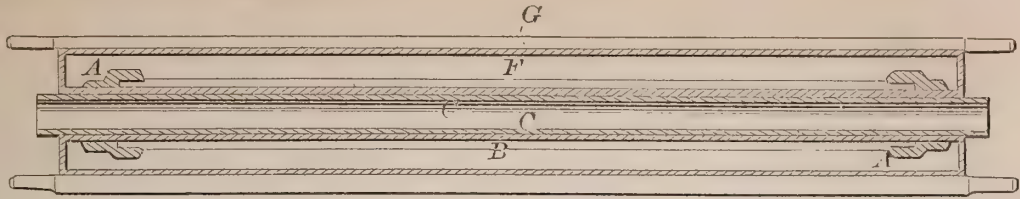
62678—A. Patterson—*Die for Making Bells.*



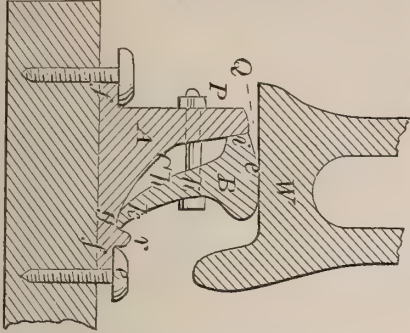




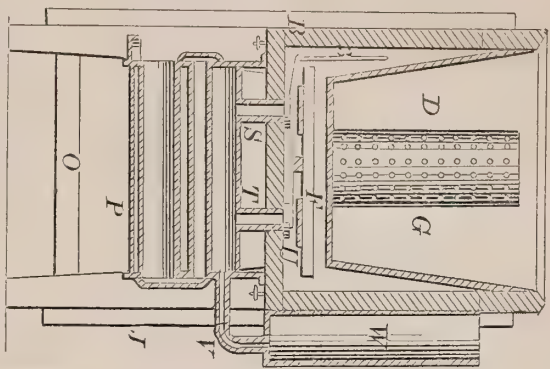
62688—G. Rogers—Casting Pipe.



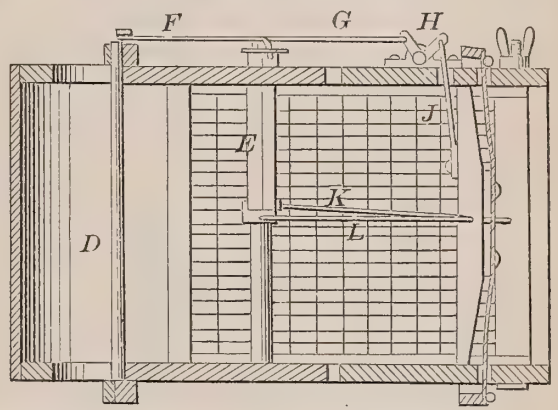
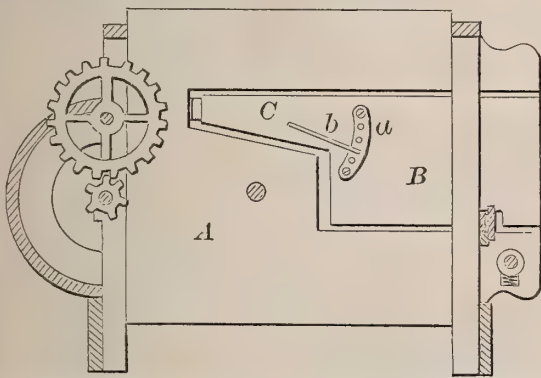
62691—E. Sampson—Railroad Rail.



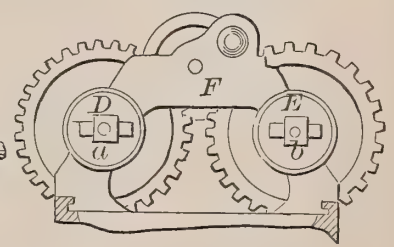
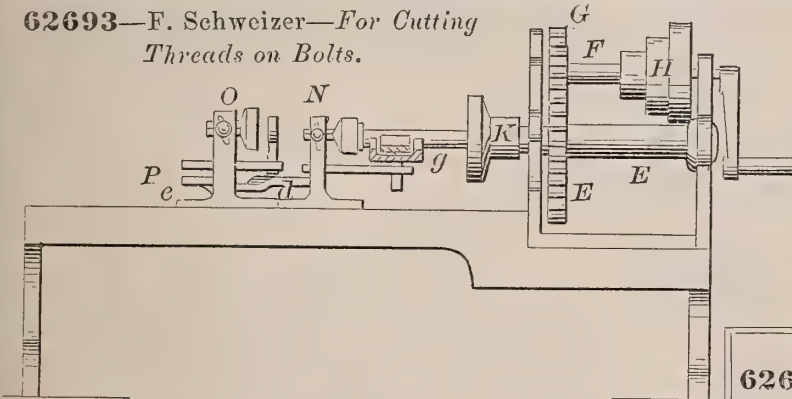
62690—O. Sage—Cheese Vat.



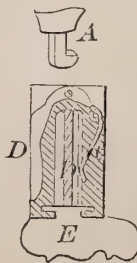
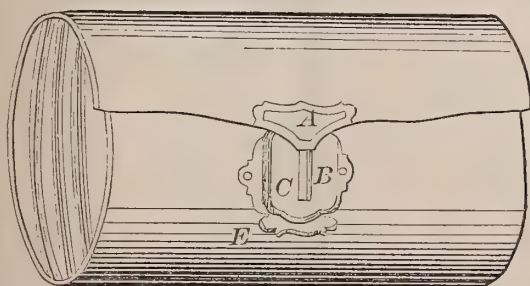
62694—H. H. Seely—Grain Separator.



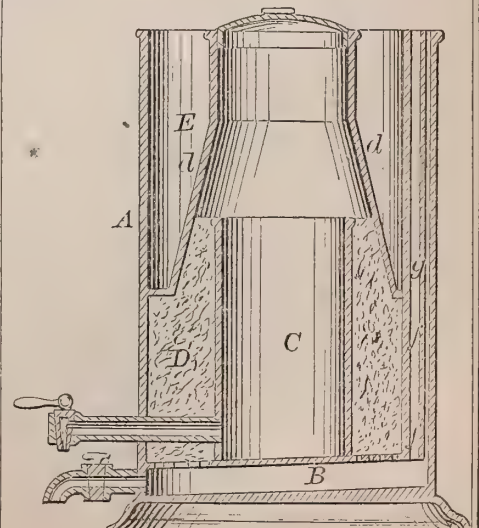
62693—F. Schweizer—For Cutting Threads on Bolts.



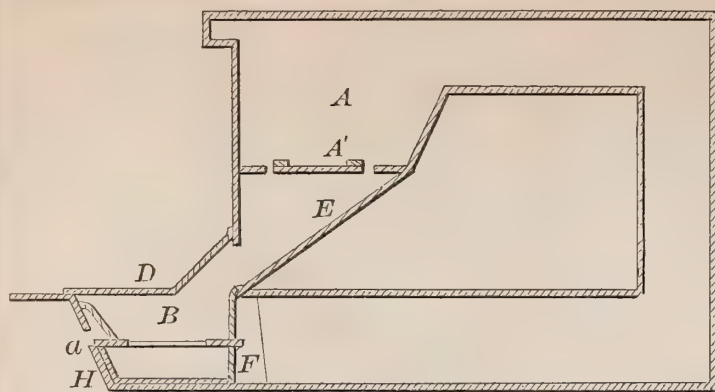
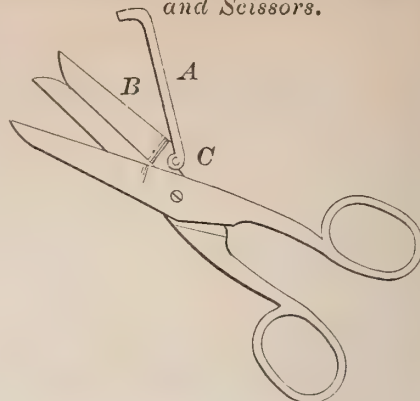
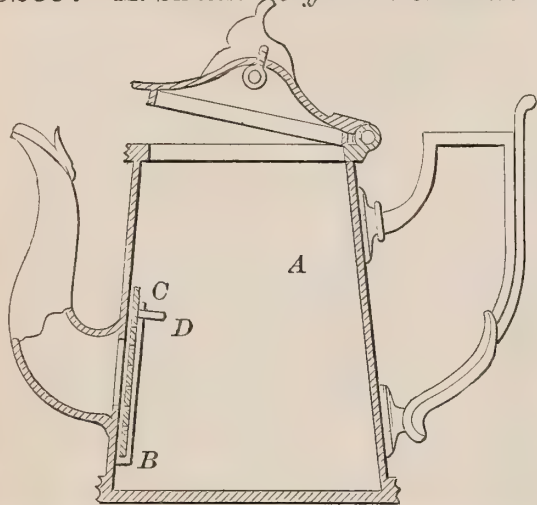
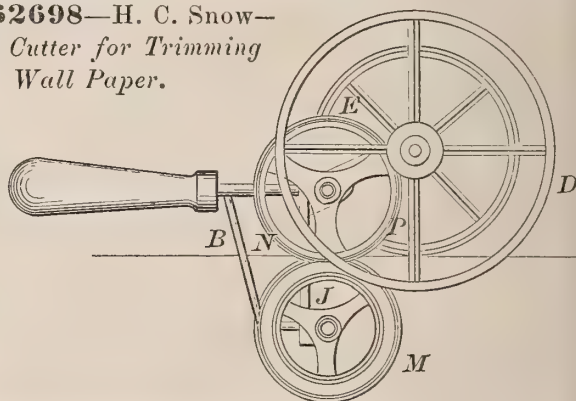
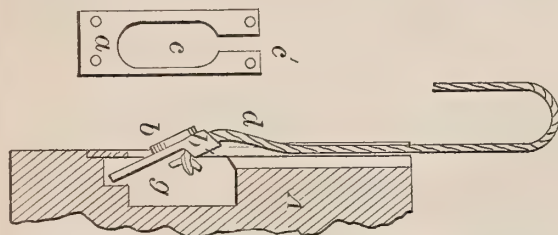
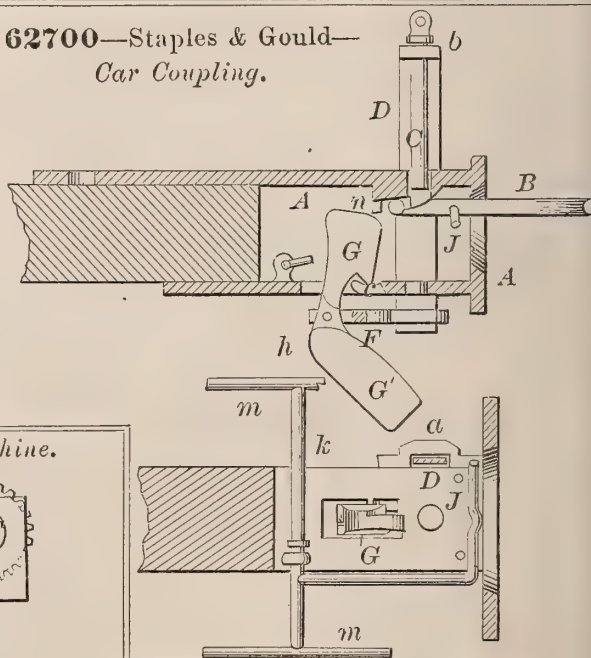
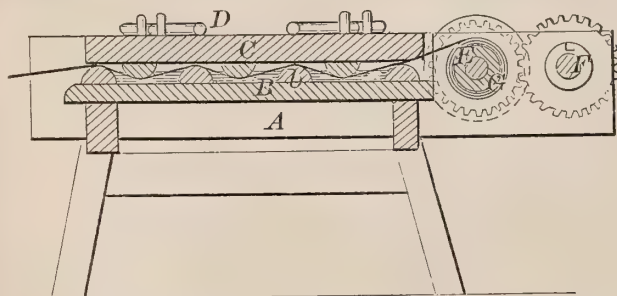
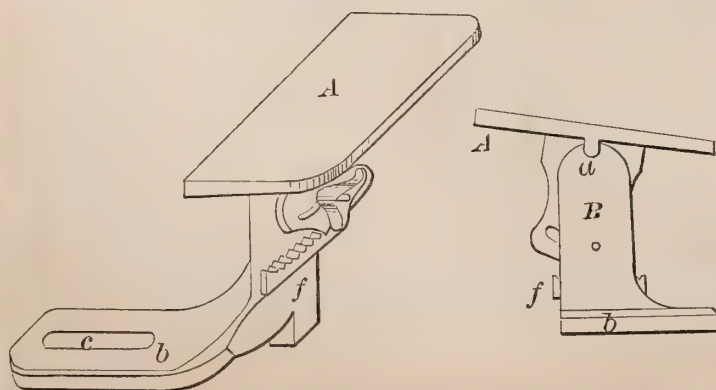
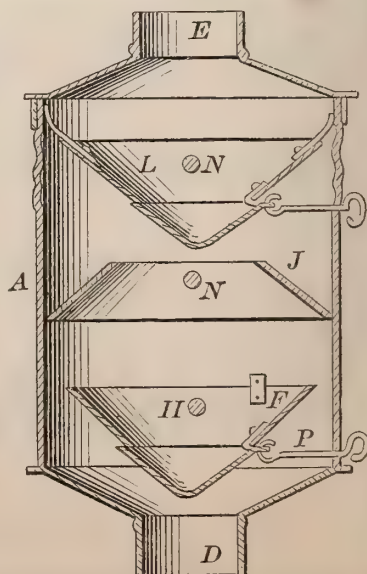
62689—H. Ropes—Pocket Book Clasp.



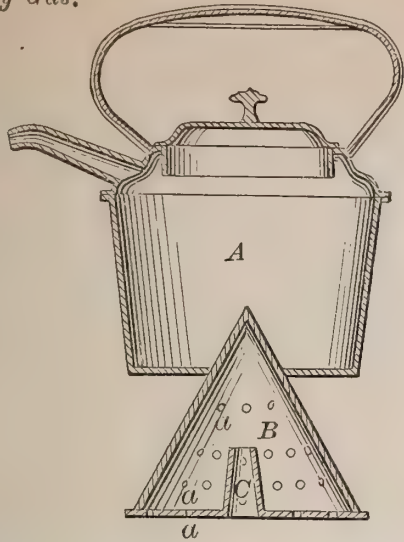
62696—Shickle & Randals—Filter.



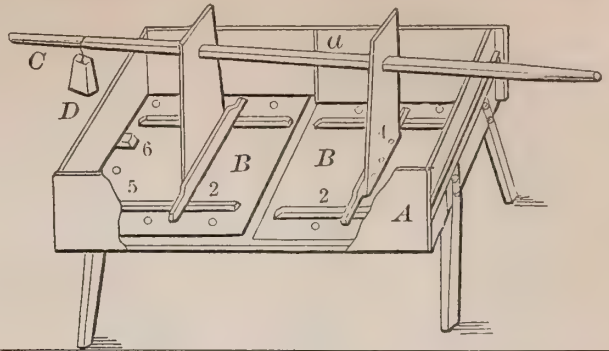


62695—J. H. Shear—*Cooking Stove Pan.*62702—C. W. Sykes—*Knife and Scissors.*62697—M. Simons—*Coffee Pot Strainer.*62698—H. C. Snow—*Cutter for Trimming Wall Paper.*62701—C. Swift—*Attaching Cords to Sashes.*62700—Staples & Gould—*Car Coupling.*62703—H. Todd—*Sheet Metal Polishing Machine.*62705—J. F. Tudor—*Rest for Sharpening Saws.*62699—J. G. Sorgen—*Stove Pipe Drum.*

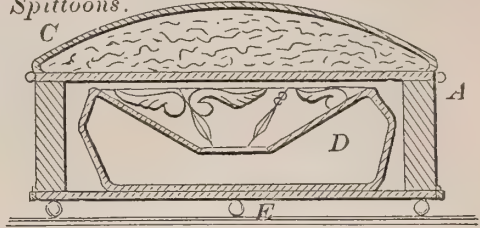
**62707**—M. V. Vranken—*For Heating by Gas.*



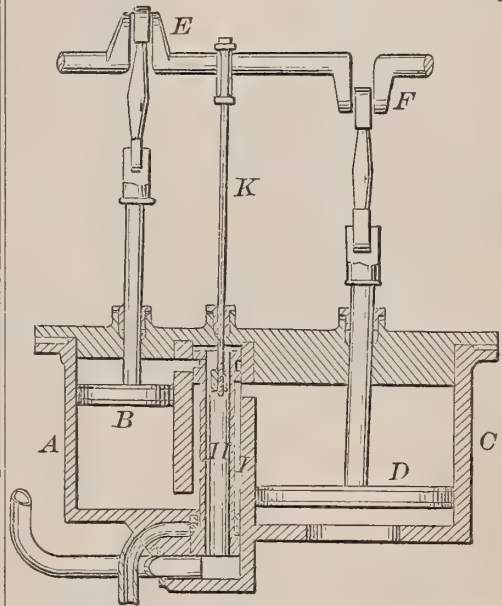
**62708**—C. F. Walker—*Washing Machine.*



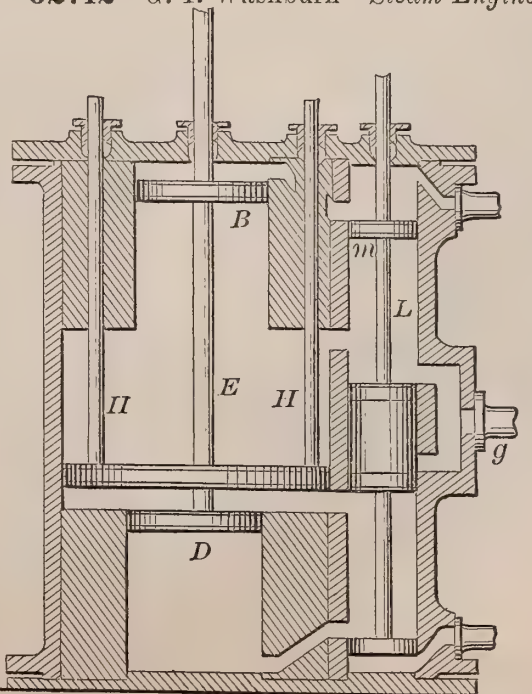
**62709**—S. W. H. Ward—*Envelope for Spittoons.*



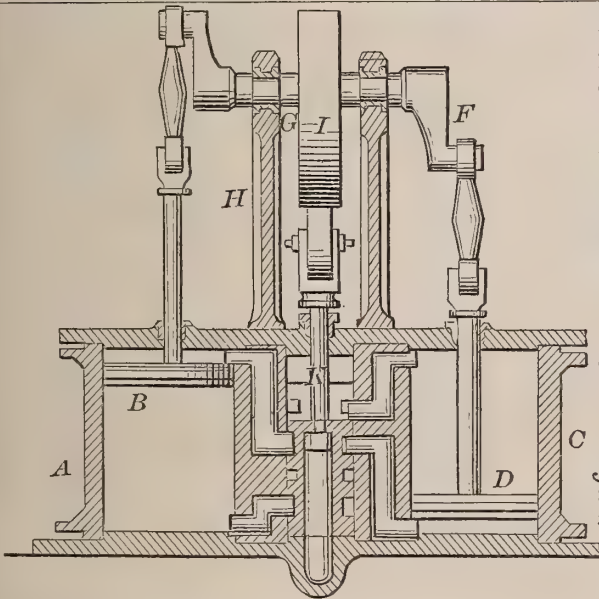
**62711**—G. I. Washburn—*Steam Engine.*



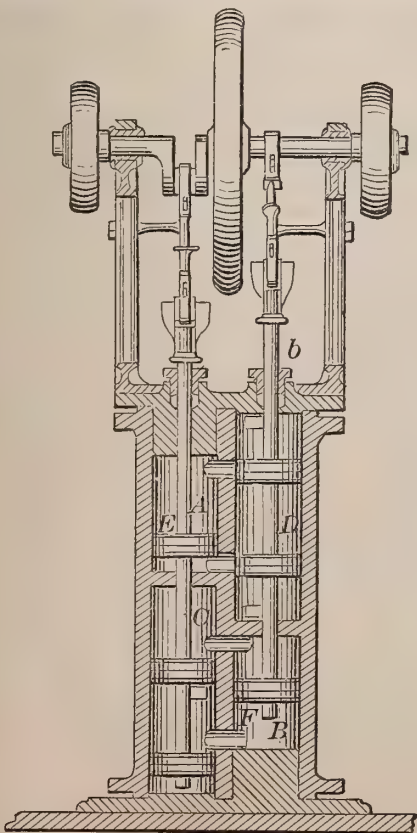
**62712**—G. I. Washburn—*Steam Engine.*



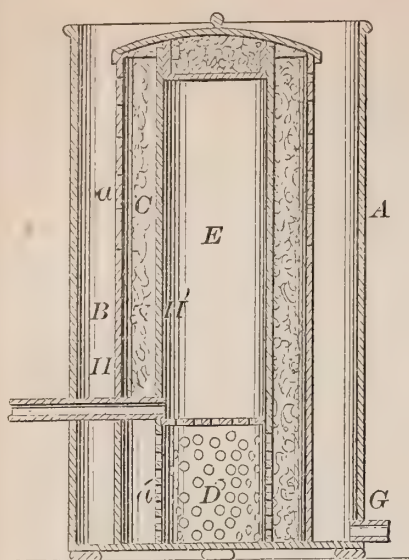
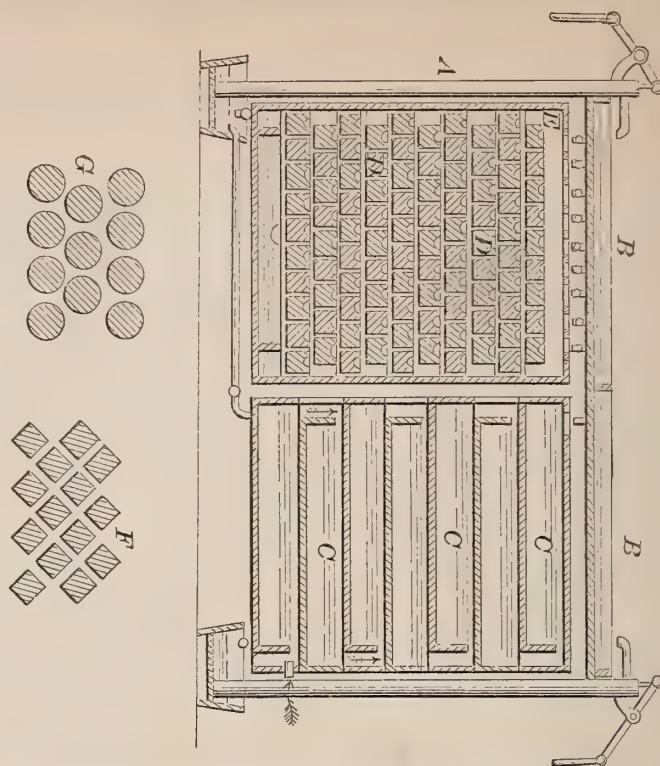
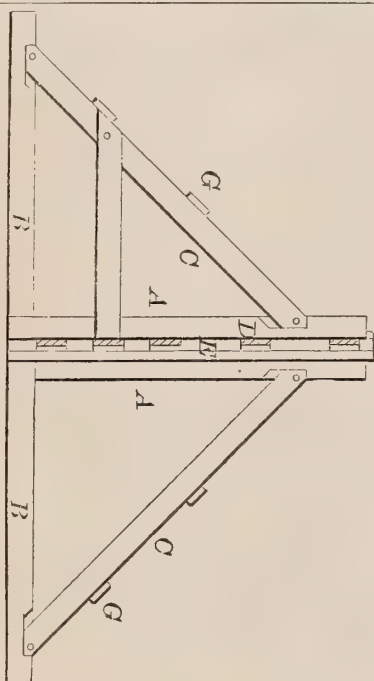
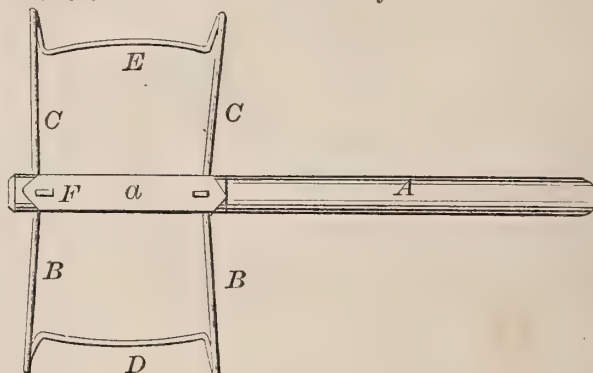
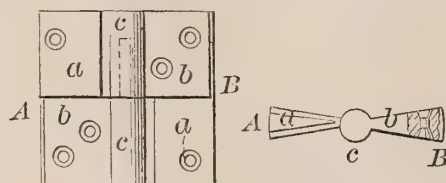
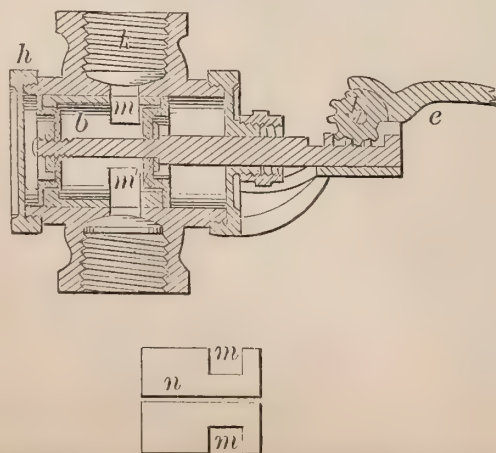
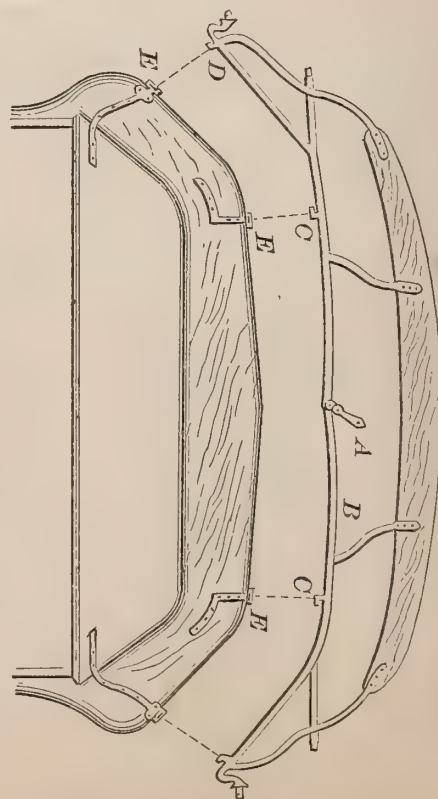
**62710**—G. I. Washburn—*Steam Engine.*



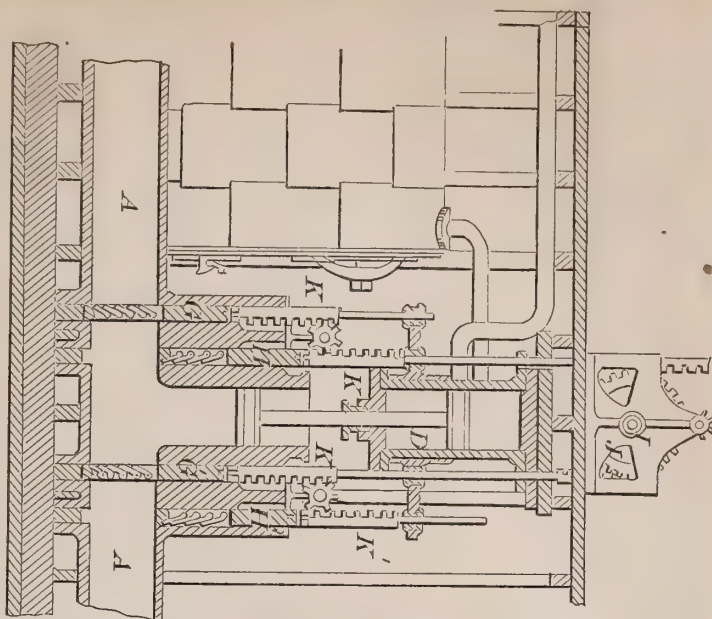
**62713**—G. I. Washburn—*Steam Engine.*



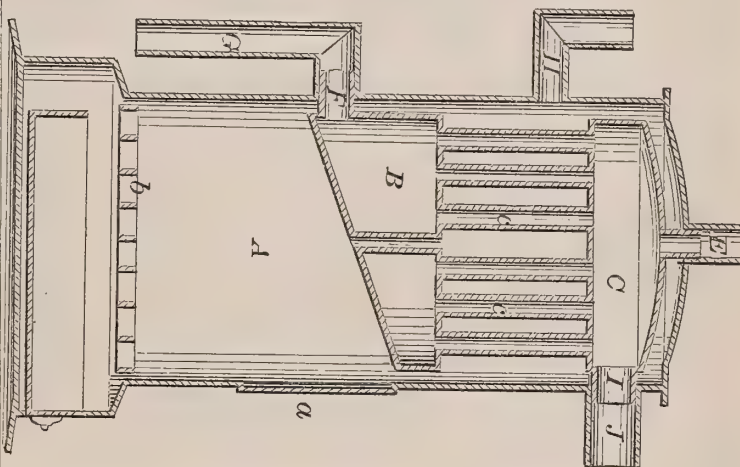


62714—G. Waite—*Filter*.62715—W. Weis—*Vinegar Apparatus*.62718—E. York—*Portable Fence*.62716—D. Welch—*Plate Lifter*.62720—J. Hartzell—*Hinge*.62721—J. Zundorff—*Steam Valve*.62719—J. Zahm—*Shifting Rail for Carriage Seat*.

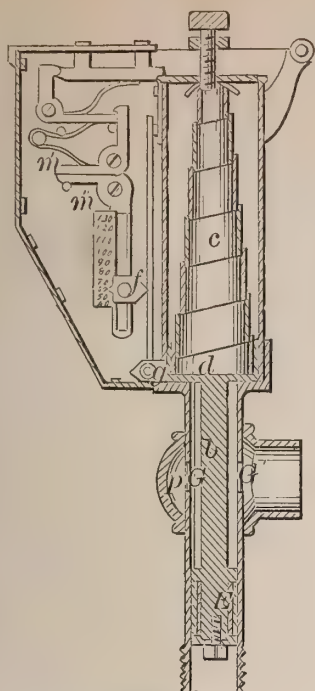
62723—R. D. Chatterton—*Propeller.*



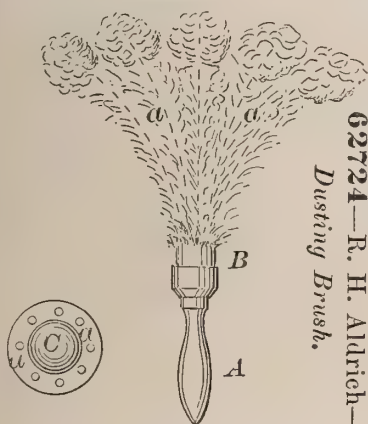
62726—W. Bamford—*Heating Stove.*



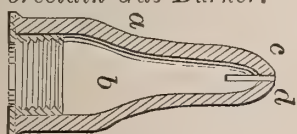
62722—J. Zundorff—*Safety Valve.*



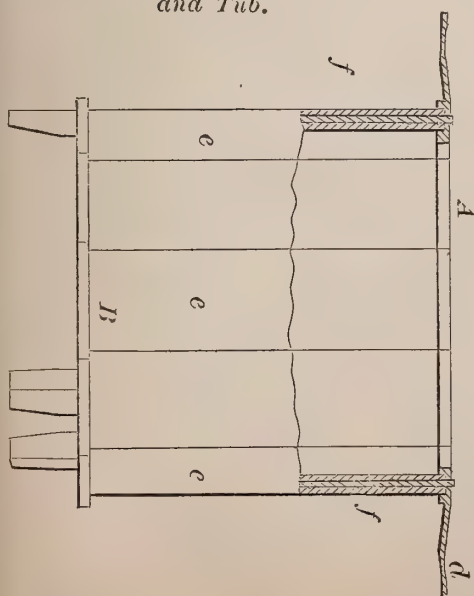
62724—R. H. Aldrich—*Dusting Brush.*



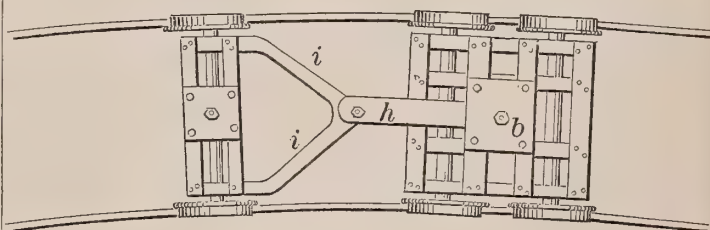
62725—Arnold & Irving—*Porcelain Gas Burner.*



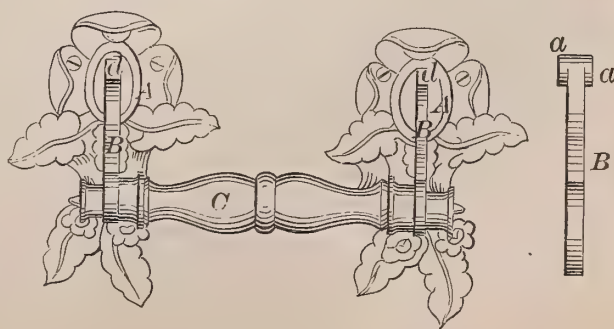
62728—J. Booher—*Flower Pot and Tub.*



62727—L. Bissell—*Car Truck.*

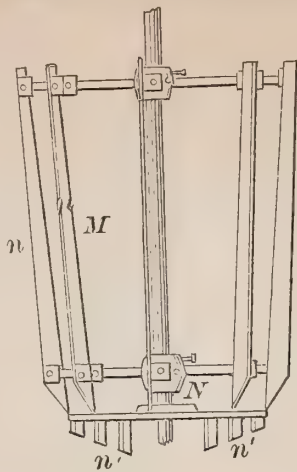


62729—P. Bradford—*Lifting Handle.*

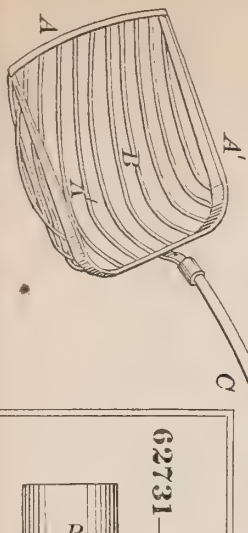




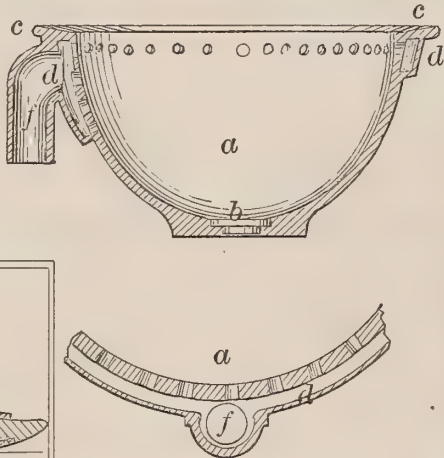
**62733**—I. Cook—*Bran Duster.*




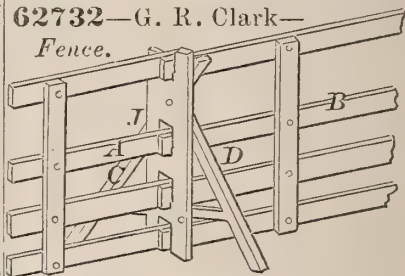
62730—Brown & Pool—*Potato Scoop.*



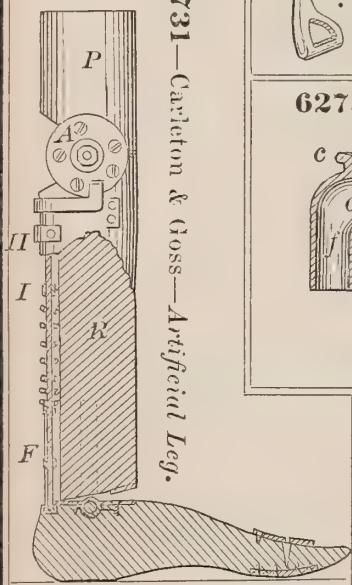
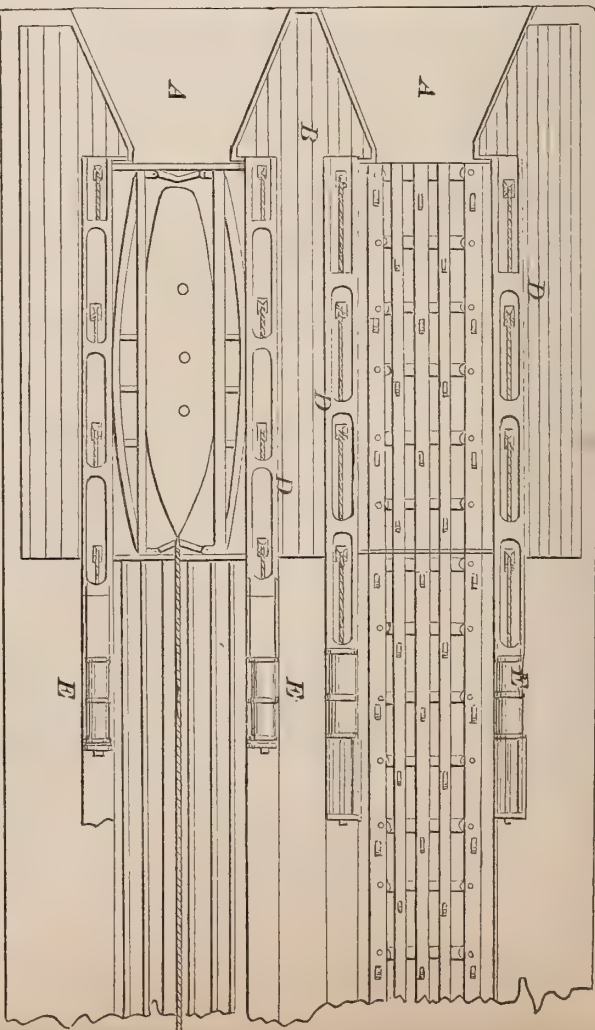
62734—H. H. Craigie—*Basin*.



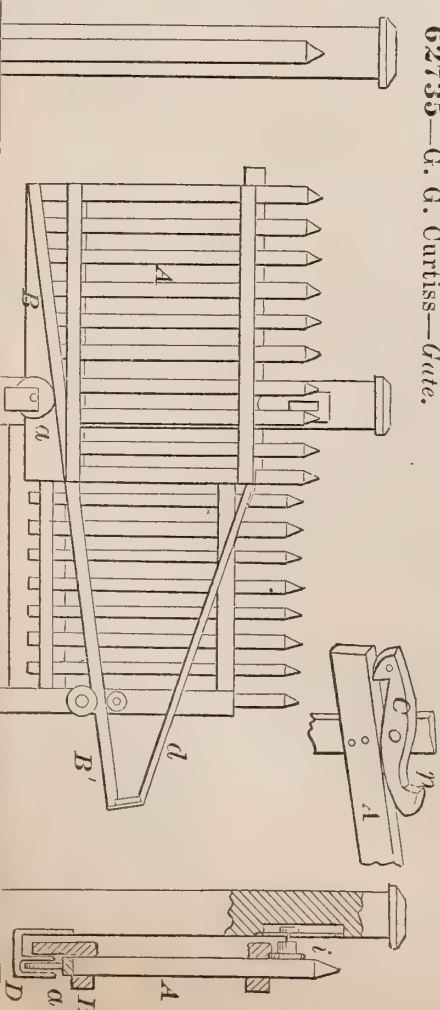
**62732**—G. R. Clark—  
*Fence.* 



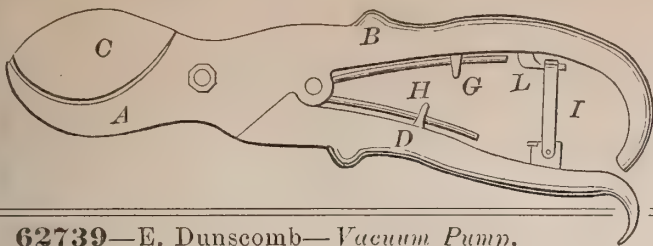
62731—Carlton & Moss—*Artificial Leg.*

62736—1. I. I. Day—*Canals and their Navigation.*

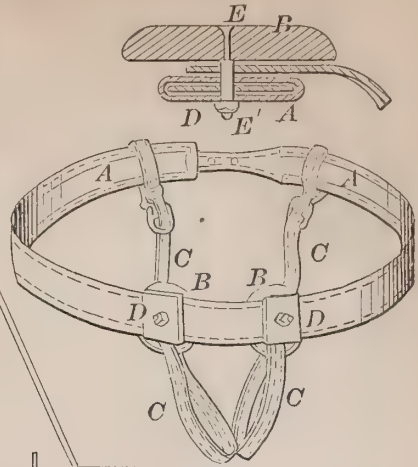
62735—G. G. Curtiss—*Gute.*



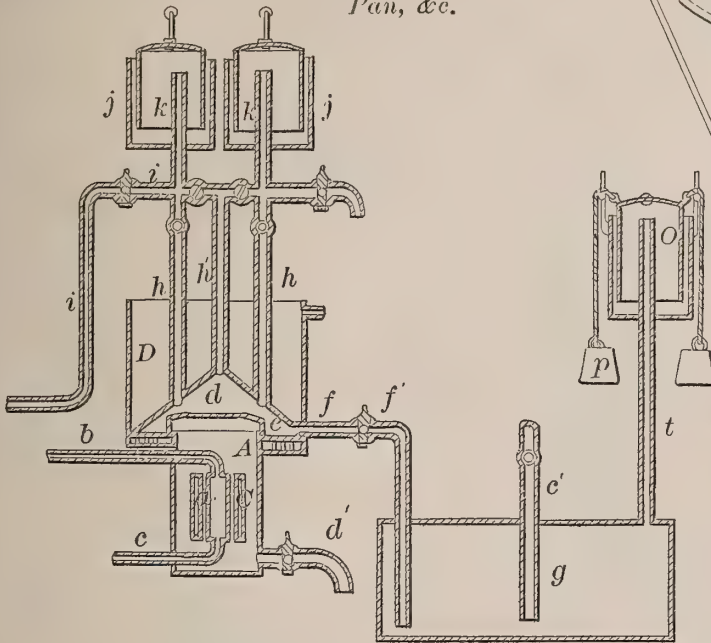
62737—A. J. Doolittle—Pruning Shears.



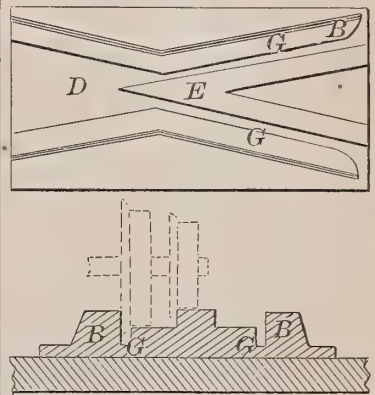
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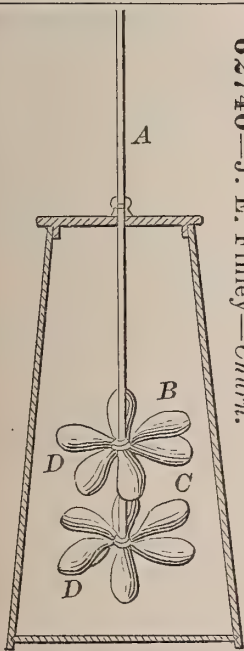
62739—E. Dunscomb—Vacuum Pump, Pan, &c.



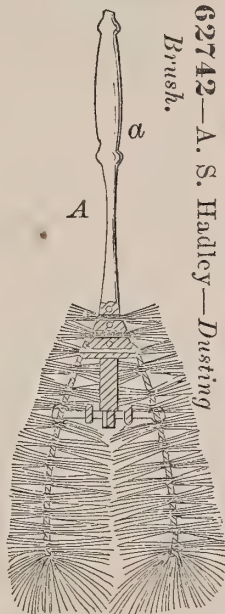
62745—J. P. Hart—Railway Frog.



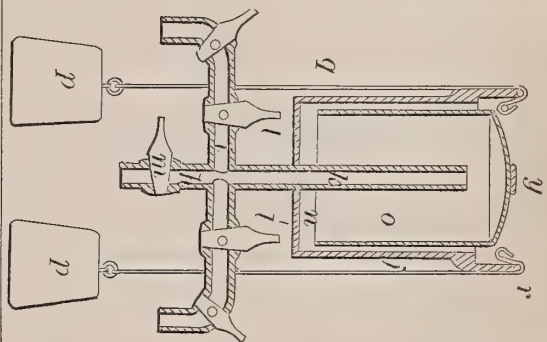
62740—J. E. Finley—Churn.



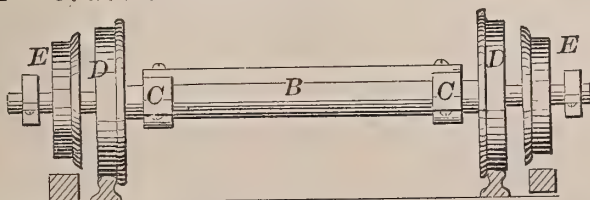
62742—A. S. Hadley—Dusting Brush.



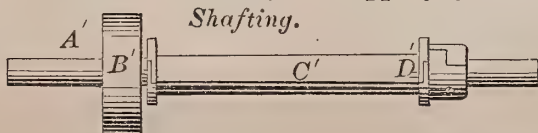
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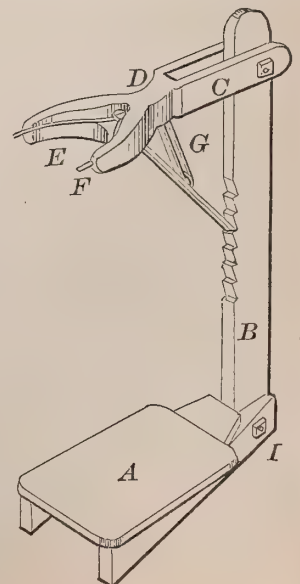
62744—J. P. Hart—Car Truck.



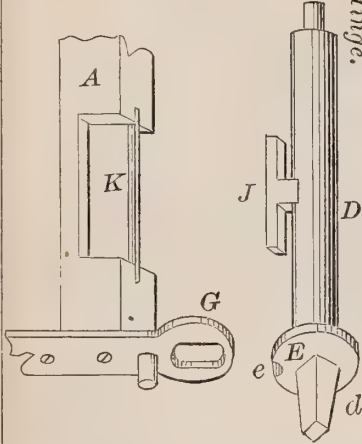
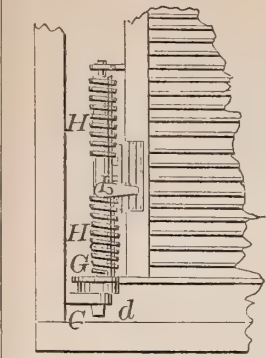
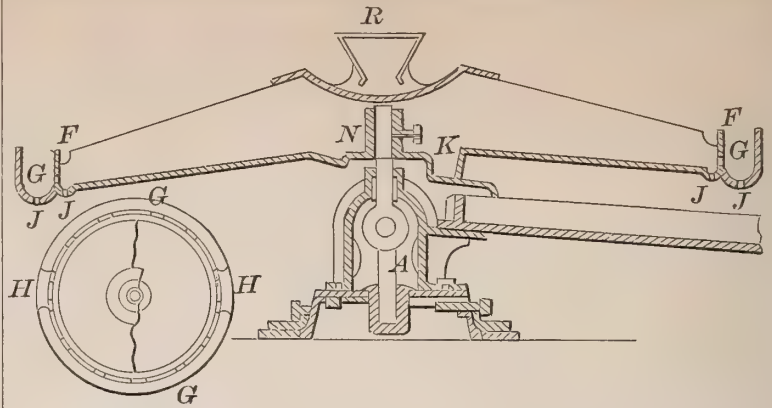
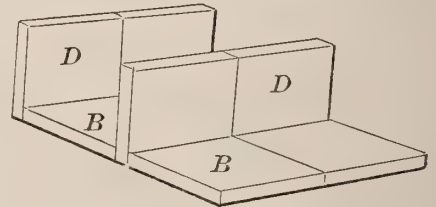
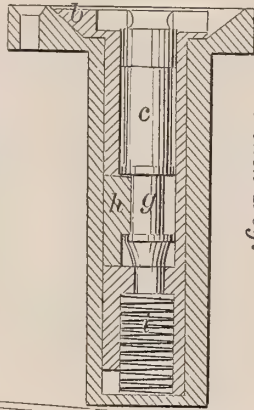
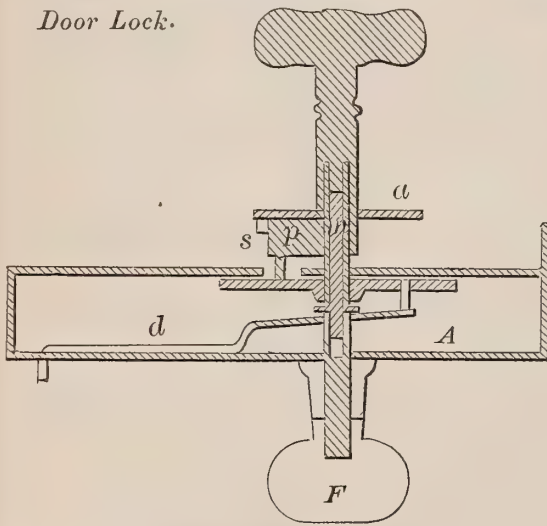
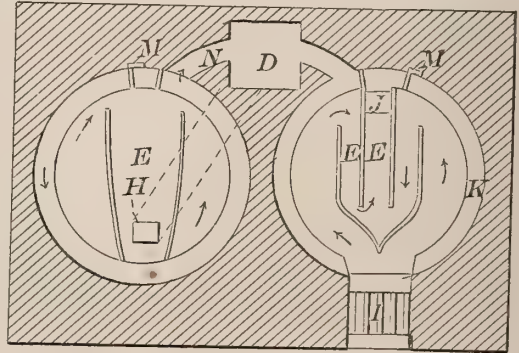
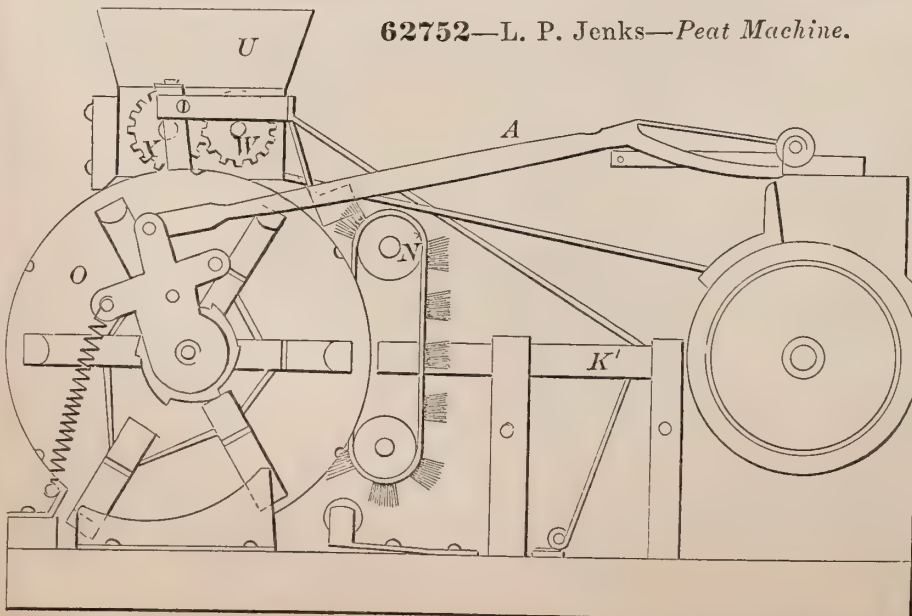
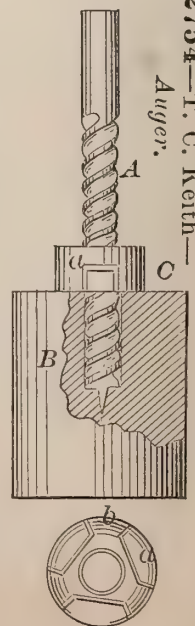
62746—W. Hayes—Preventing the Lapping of Belts on Shafting.



62741—L. H. Gano—Bag Holder.



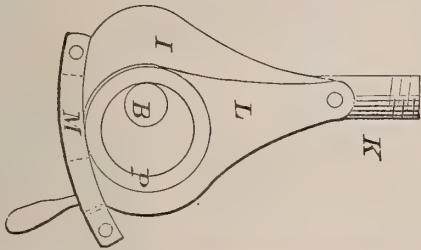
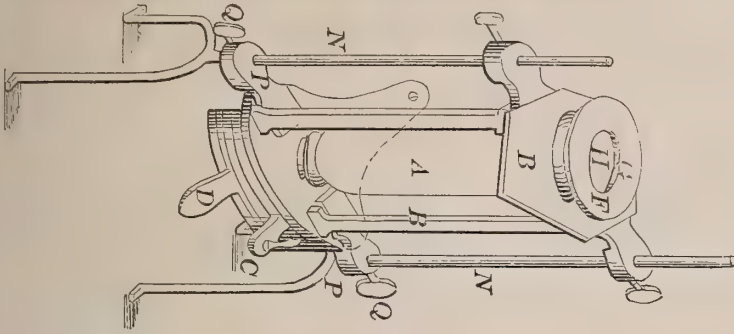


62747—F. Hermann—*Spring Hinge.*62749—M. Hungerford—*Ore Concentrator.*62751—J. Jenkins—*Box for Transplanting Plants.*62748—A. K. & H. P. Hood—*Bench Dog.*62753—D. C. Jordan, Sr.—*Door Lock.*62750—J. Huntington—*Construction of Stills for Oil, &c.*62752—L. P. Jenks—*Peat Machine.*62754—T. C. Keith—*Auger.*

62755—B. J. Kellam—*Oar.*



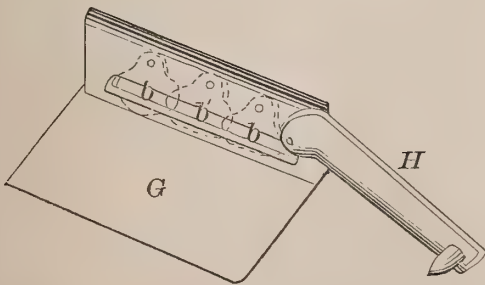
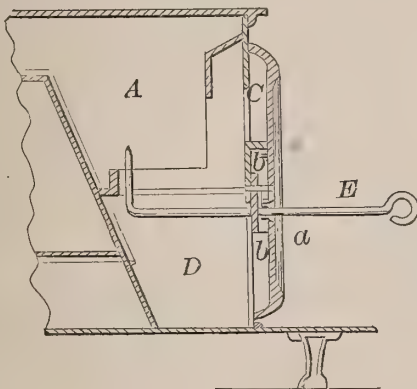
62762—Mainster & Kirkwood—*Liquid Measure.*



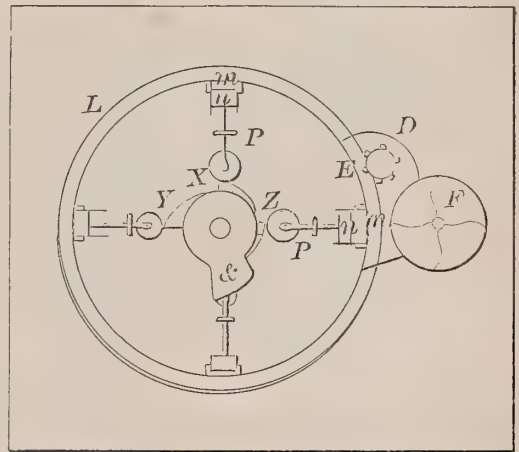
62761—Lincoln & Pratt—*Animal Tether.*



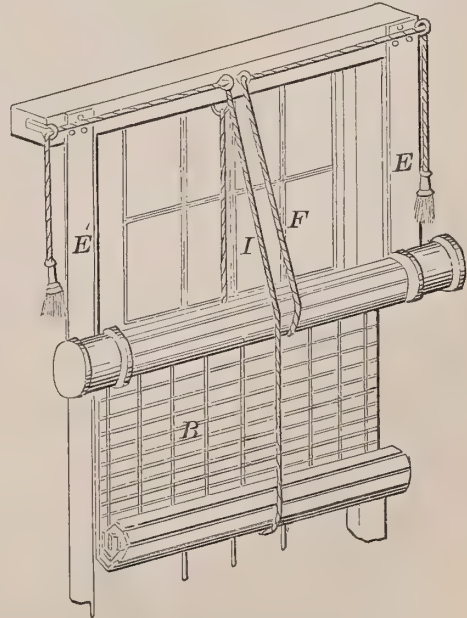
62763—J. Martino—*Dust Arrester in Stoves, &c.*



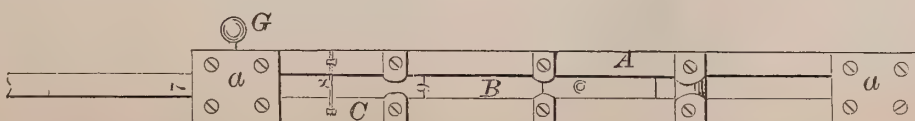
62764—P. Marvin—*Brick Machine.*



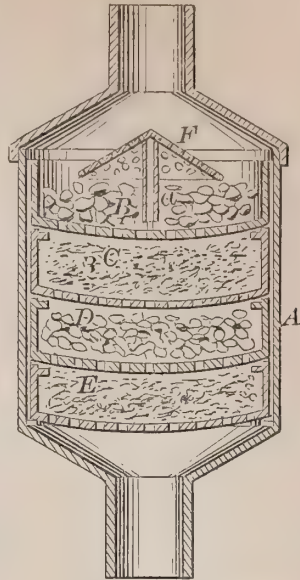
62765—C. G. Matchett—*Window Blind.*



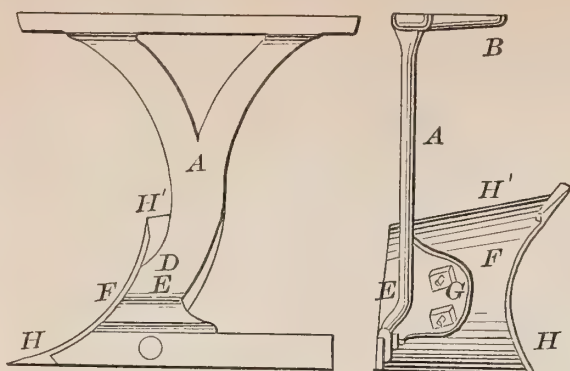
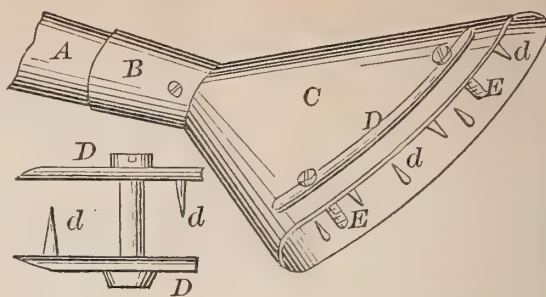
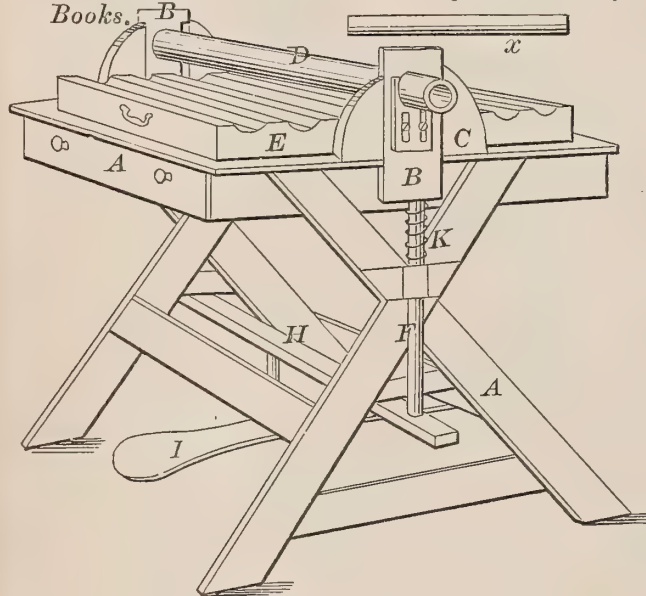
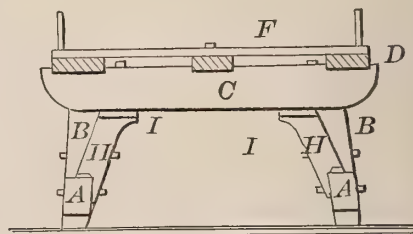
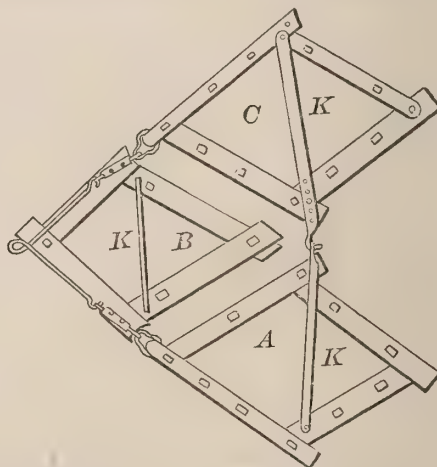
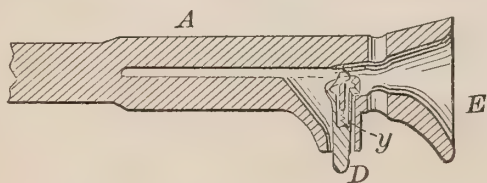
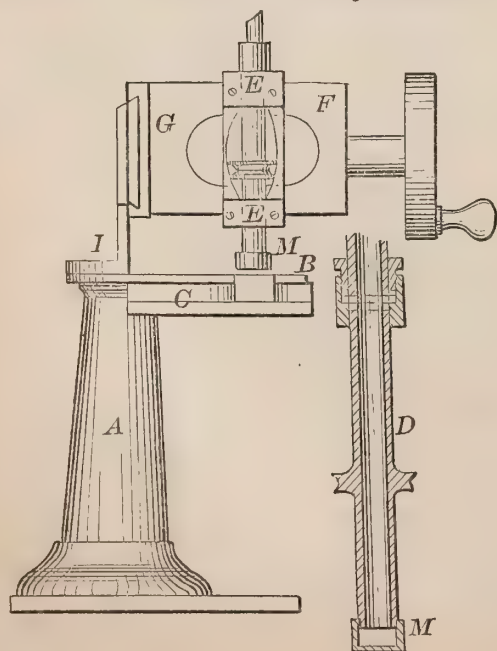
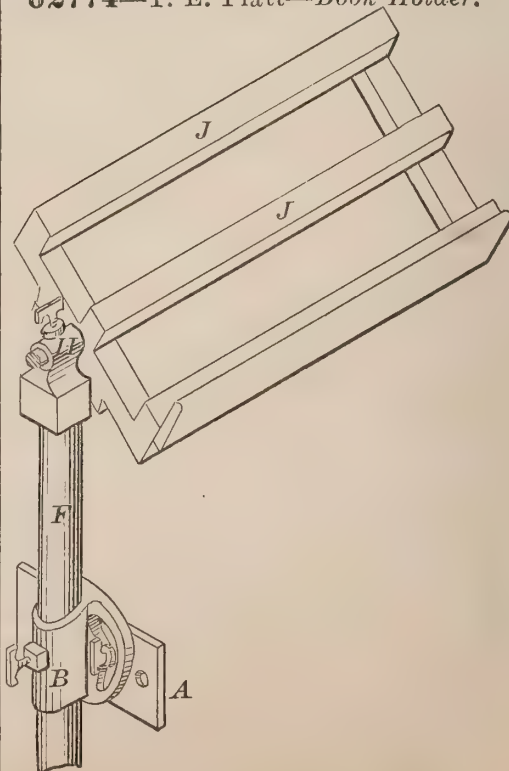
62756—A. D. King—*Measuring Rod.*



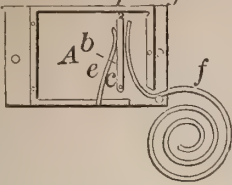
62757—G. W. Lumsden—*Cistern Filter.*



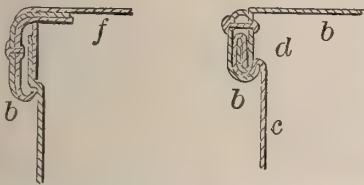
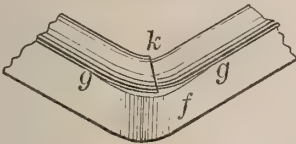


**62766**—Matteson & Williamson—*Plow.***62768**—Miller & Weston—*Broom Head.***62767**—J. K. Max—*For Moulding the Backs of Books.***62771**—S. H. Noble—*Sleigh.***62769**—D. C. Myers—*Harrow.***62772**—J. H. Parsons—*Car Coupling.***62773**—G. B. Perkins—*Ironing Machine.***62774**—T. E. Platt—*Book Holder.*

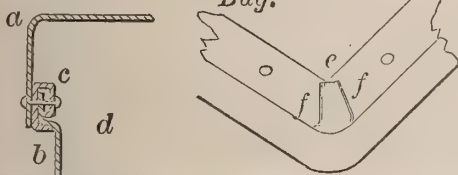
**62775**—N. A. Plympton—*Measuring the Strength of Watch Springs.*



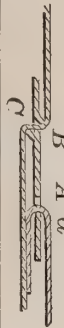
**62778**—E. A. G. Roulstone—*Traveling Bag.*



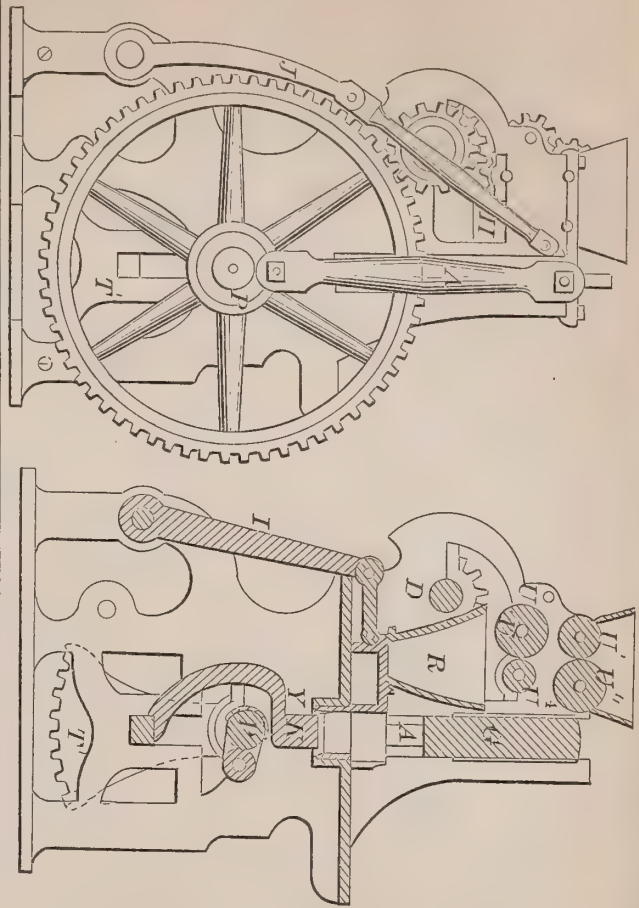
**62779**—E. A. G. Roulstone—*Traveling Bag.*



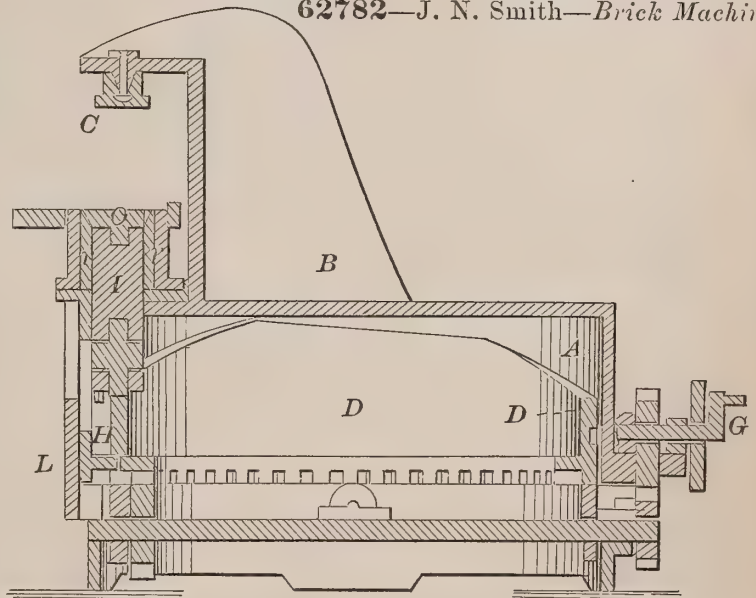
**62777**—G. Ricker—*Cotton Bale Tie.*



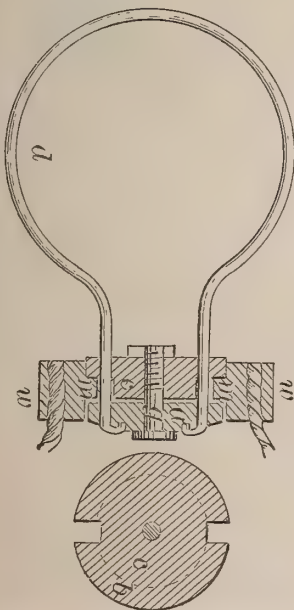
**62781**—J. Sangster—*Brick Machine.*



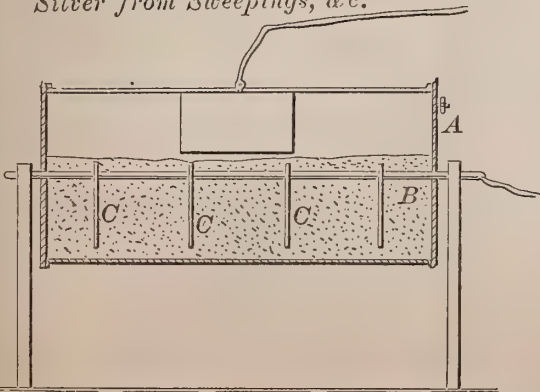
**62782**—J. N. Smith—*Brick Machine.*



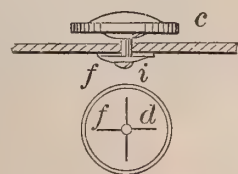
**62780**—C. S. Rundlett—*Cattle Tie.*



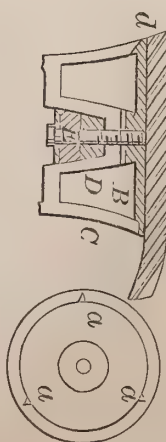
**62776**—J. H. Rae—*Collecting Gold and Silver from Sweepings, &c.*



**62784**—C. F. Spencer—*Securing Buttons to Garments.*

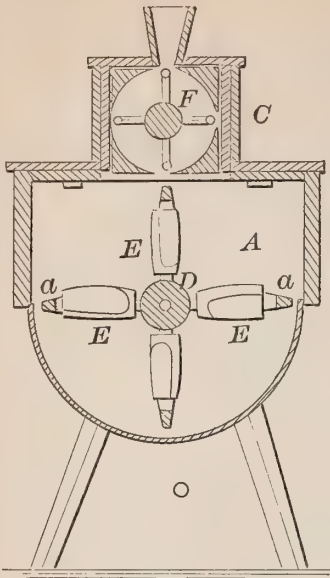


**62783**—H. S. Snow—*Boot Heel.*

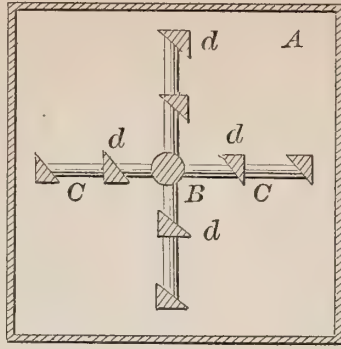




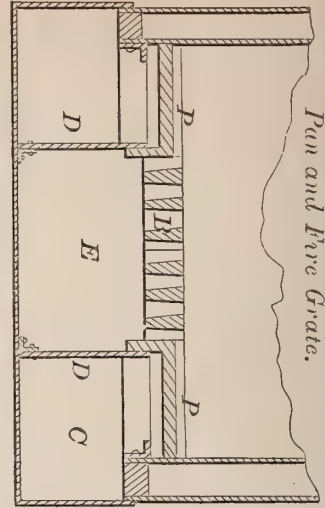
62785—W. H. Tumbling—Churn.



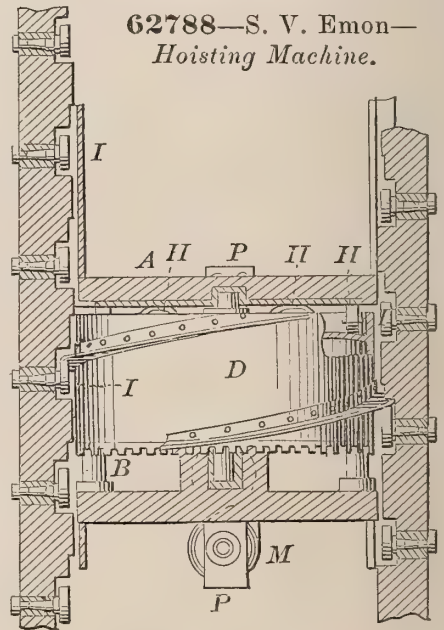
62786—W. B. Tucker—Churn.



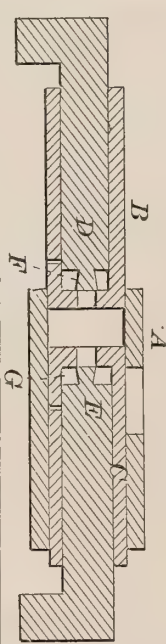
62787—Upton & Nichols—Locomotive Ash Pan and Fire Grate.



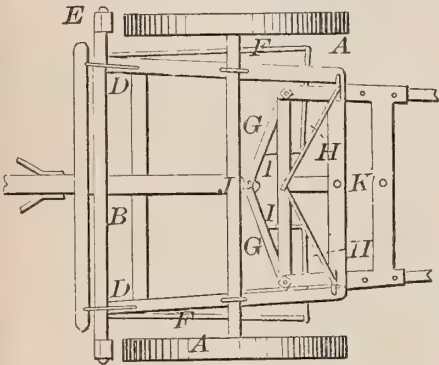
62788—S. V. Emon—Hoisting Machine.



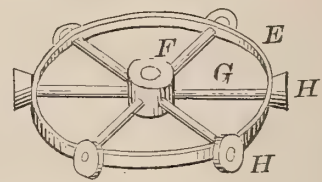
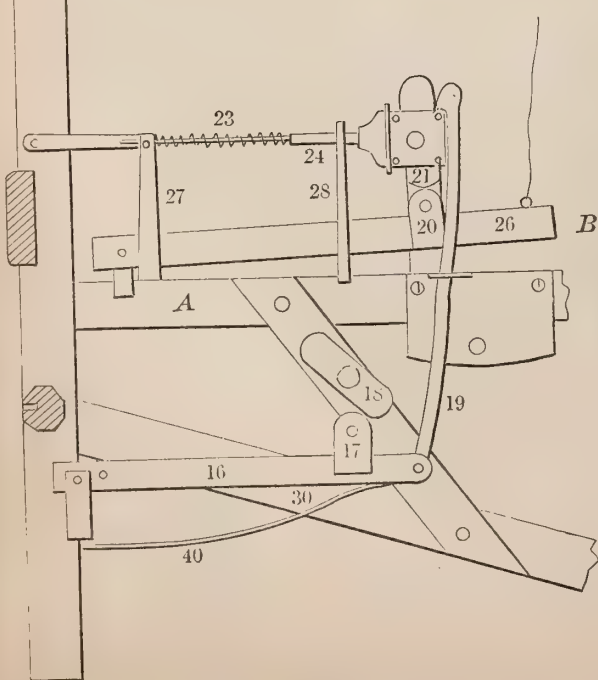
62790—J. Watson—Brick Machine.



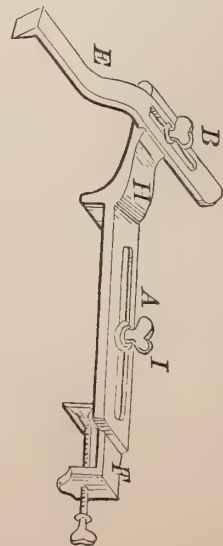
62789—A. Votaw—Wagon Brake.



62791—J. R. Weber—Loom.



62792—W. P. Wentworth—Clamp for Clapboarding.



62793—L. Wetherell—*Forging Hammer.*

Fig 12

Fig. 13

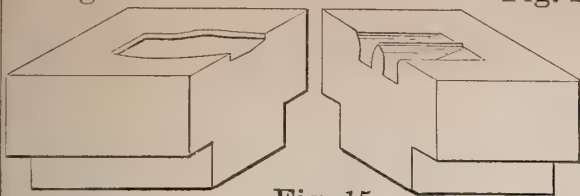


Fig. 1

Fig. 15

Fig. 11

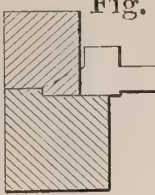
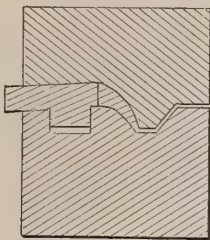
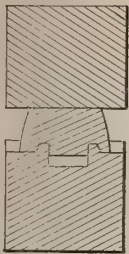
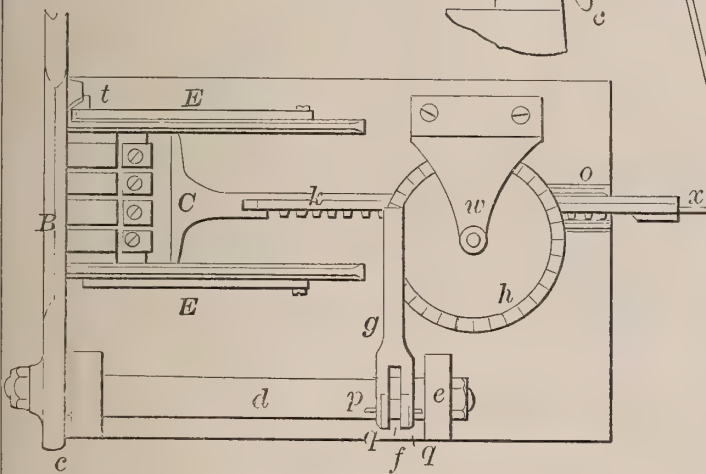


Fig. 2

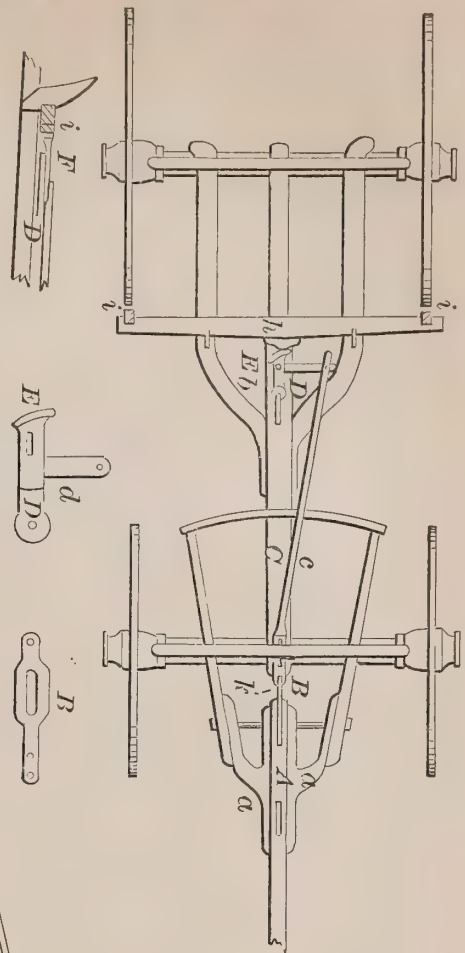
Fig. 16



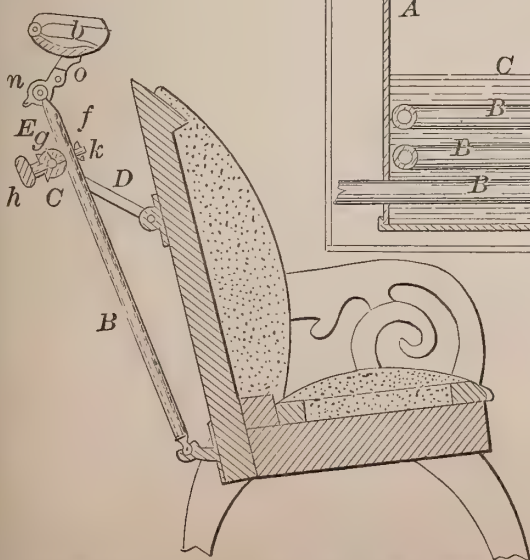
62799—C. J. Addy—*Tobacco Cutter.*



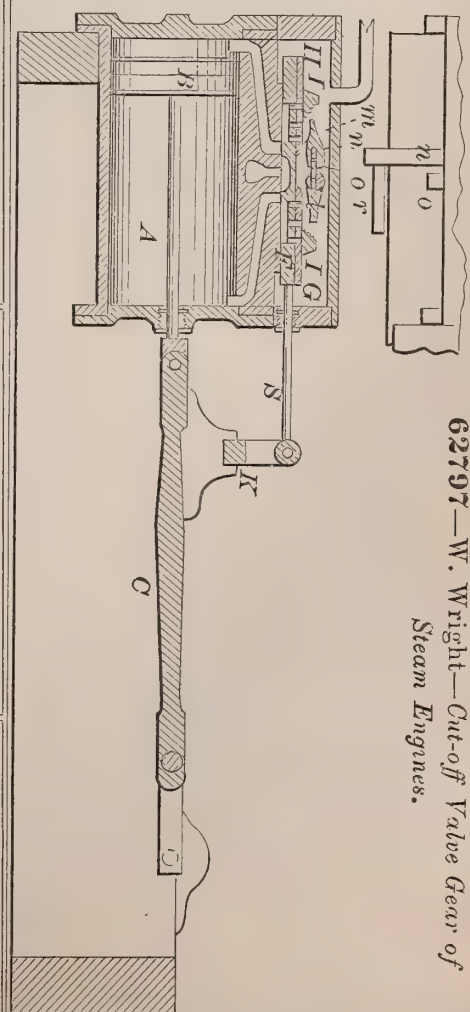
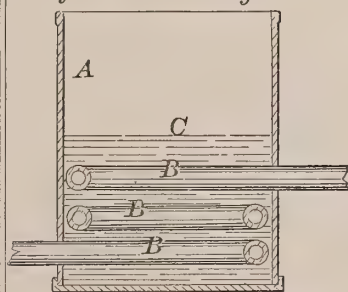
62796—J. F. Wood—*Wagon Brake.*



62794—O. C. White—*Dentist's Chair.*



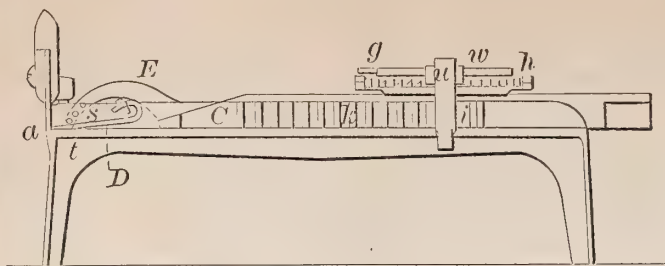
62798—W. H. Young—*Preparing Petroleum for for Lubricating.*



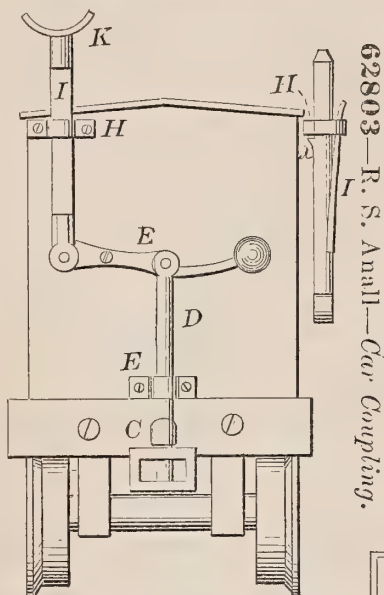
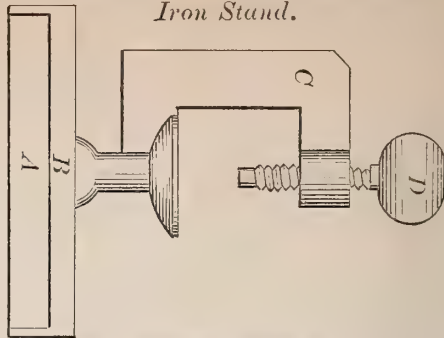
62797—W. Wright—*Cut-off Valve Gear of Steam Engines.*



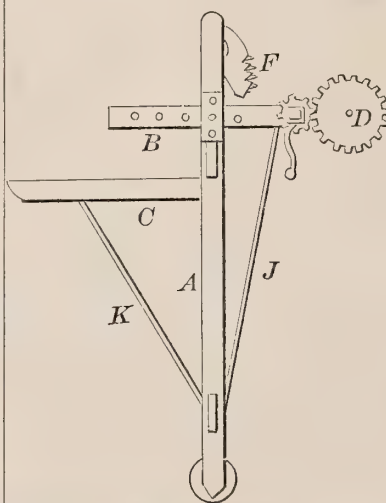
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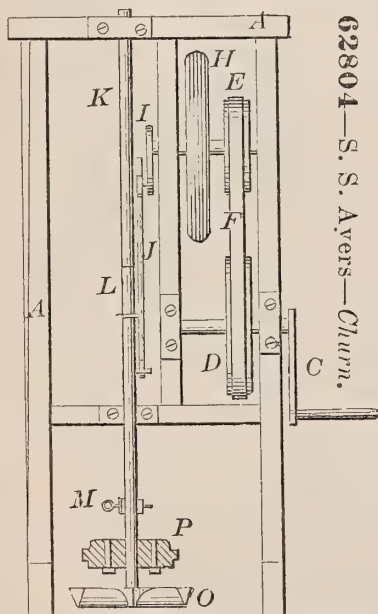
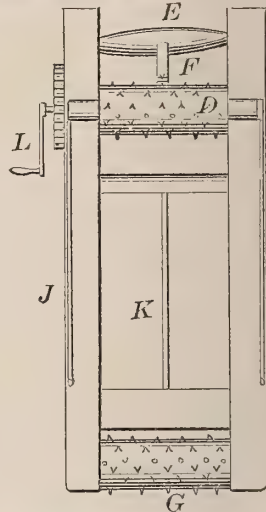
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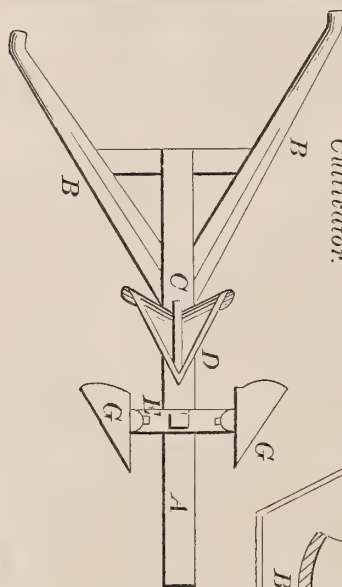
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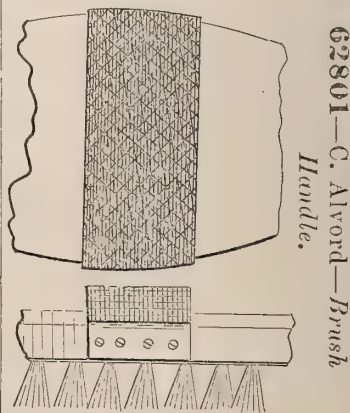
62806—L. J. Baker—Climbing Stage.



62804—S. S. Ayers—Churn.

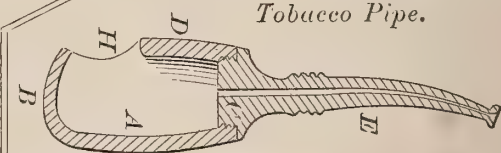


62808—A. S. Barnwell—Cultivator.

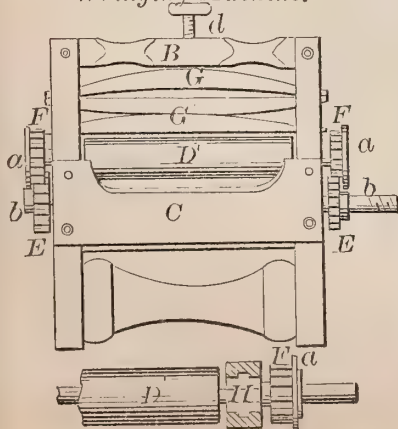


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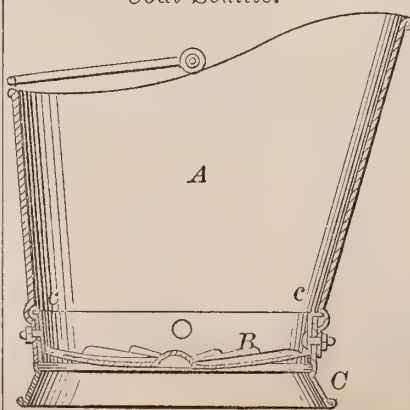
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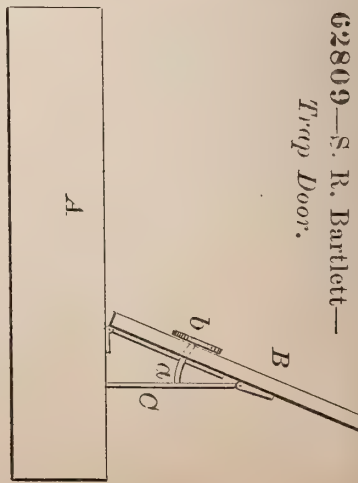
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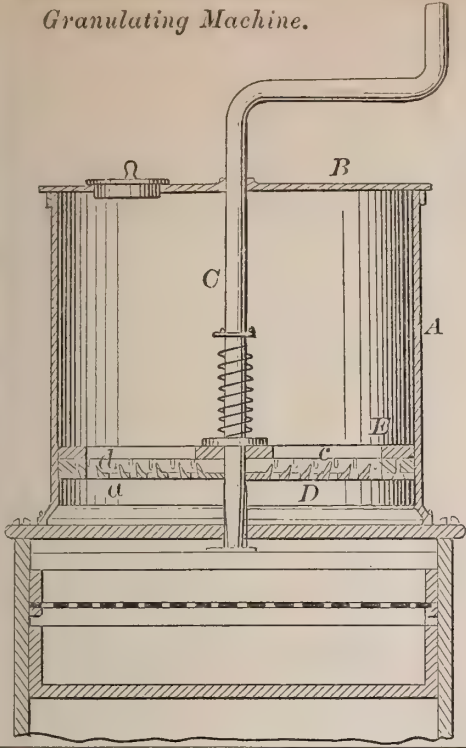
62807—Bardell &amp; Smith—Coal Scuttle.



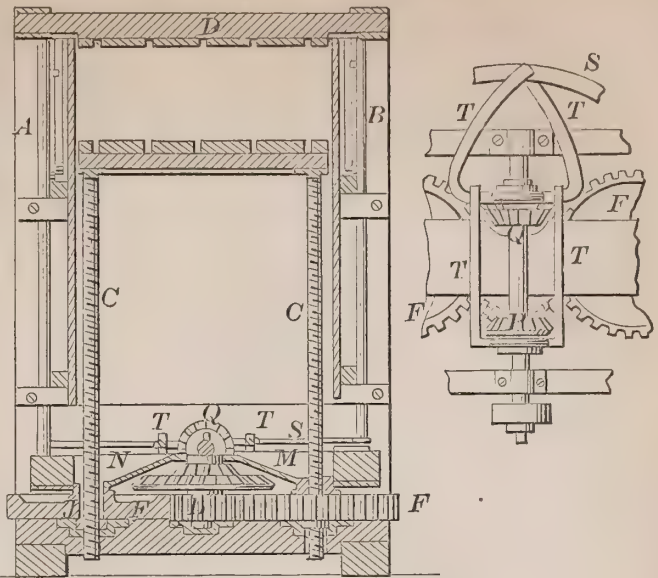
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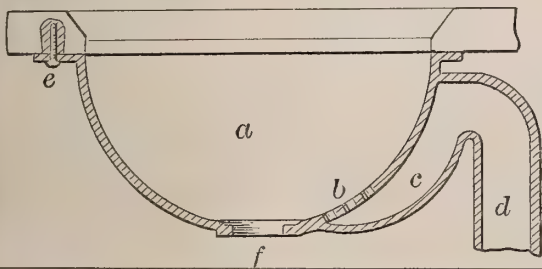
62811—N. H. Borgfeldt—*Tobacco Granulating Machine.*



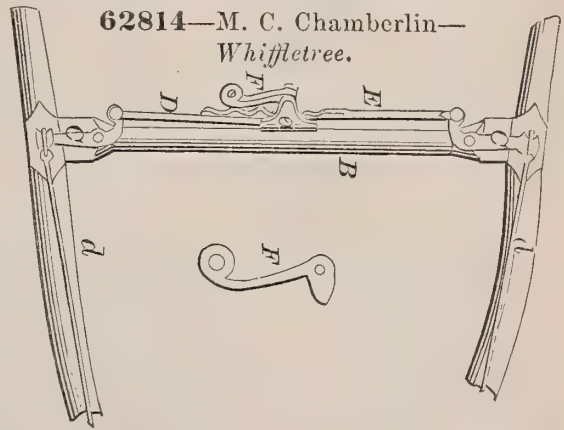
62815—M. D. Cheek—*Baling Press.*



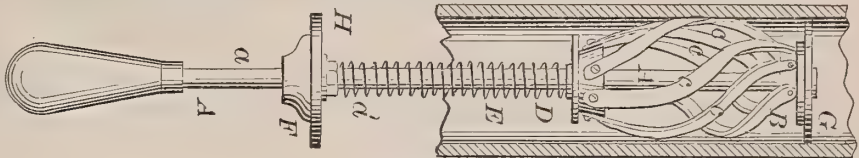
62812—H. Boyd—*Overflow Basin.*



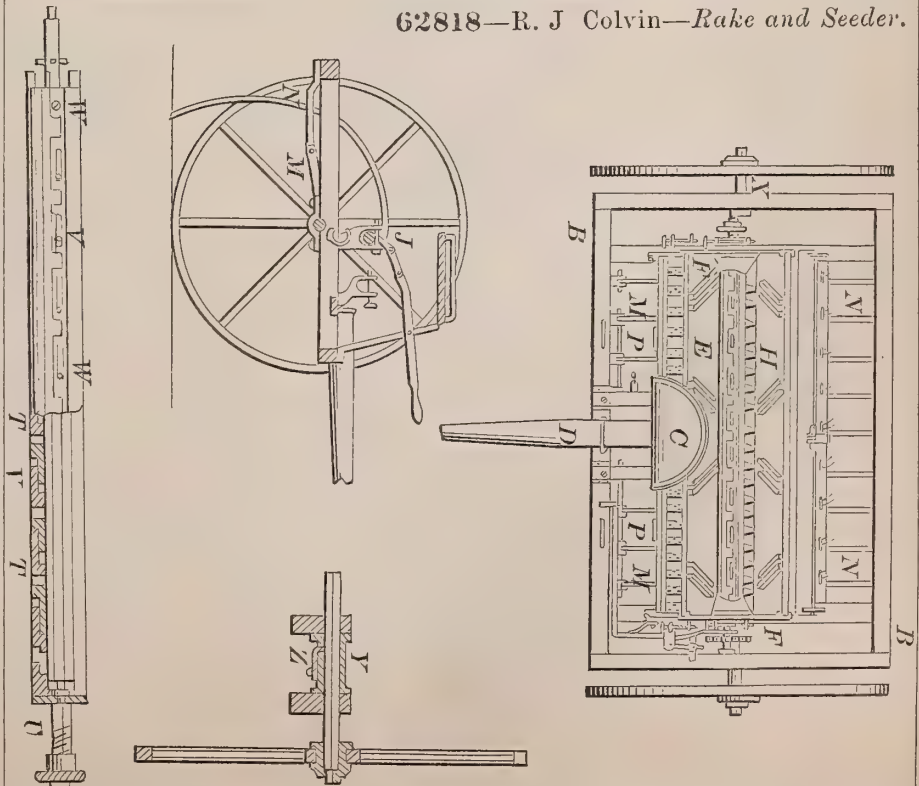
62814—M. C. Chamberlin—*Whiffletree.*



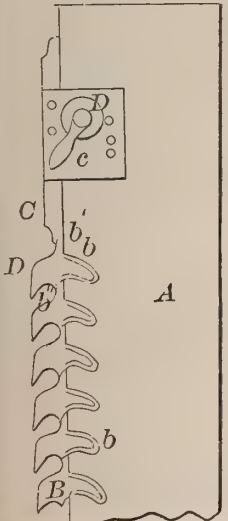
62816—J. B. Christoffel—*Boiler Tube Cleaner.*



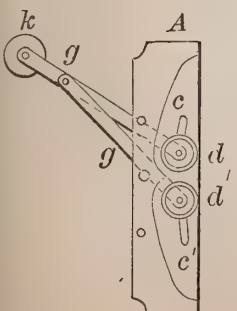
62818—R. J. Colvin—*Rake and Seeder.*



62813—L. S. & C. N. Brown—*Saw.*

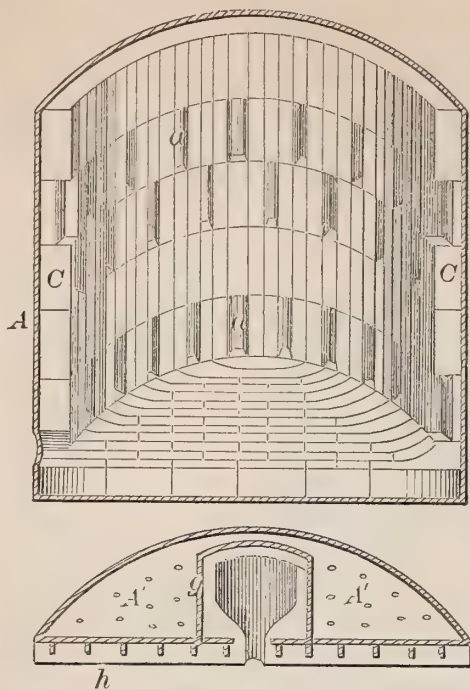


2817—J. K. Clark—*Sash Lock.*

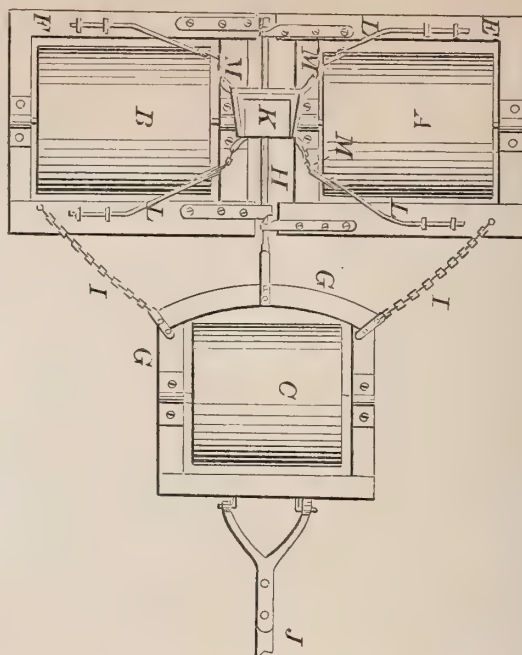




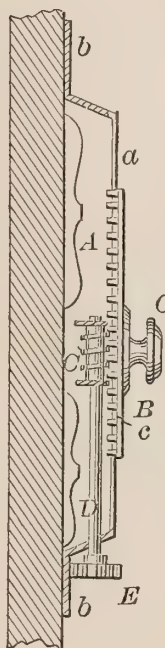
62819—A. G. Cook—Iron Manufacture.



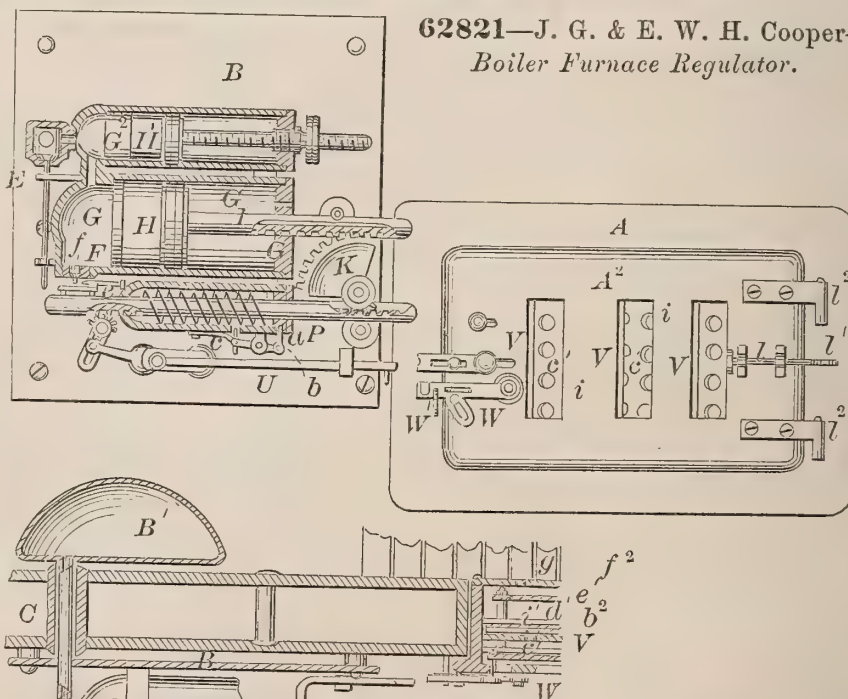
62822—H. R. Crowe—Feed Roller.



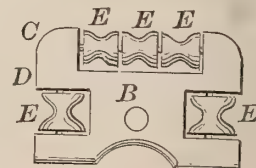
62824—J. Cunningham—Curtain Fixture.



62821—J. G. &amp; E. W. H. Cooper—Boiler Furnace Regulator.



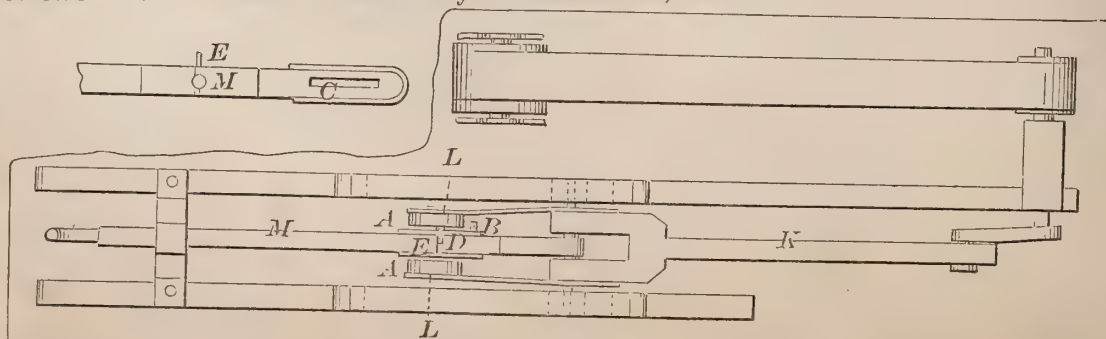
62827—T. Dolan—Billiard Table Bridge.



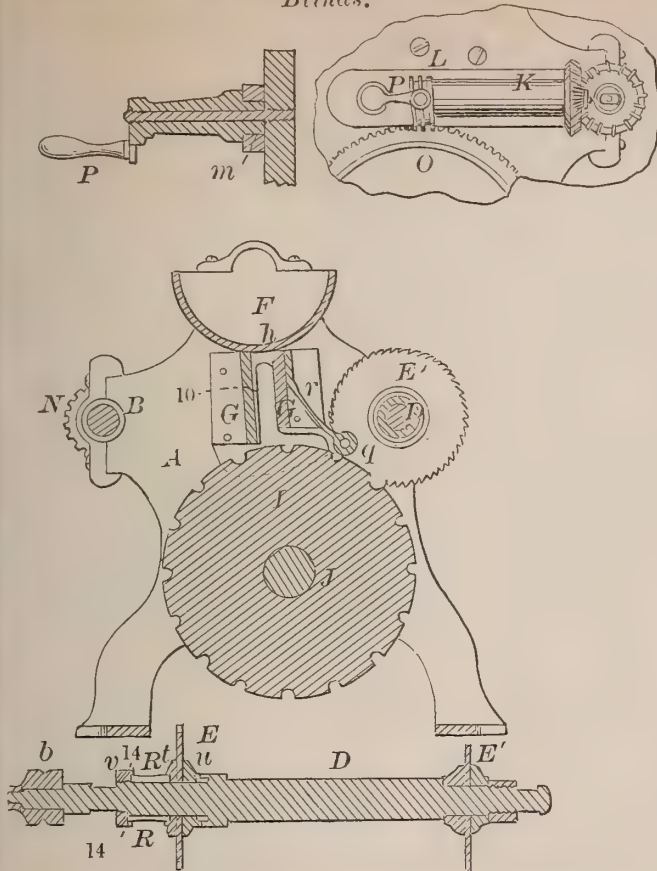
62826—A. D. De Puy—Stereotype Plate Holder.



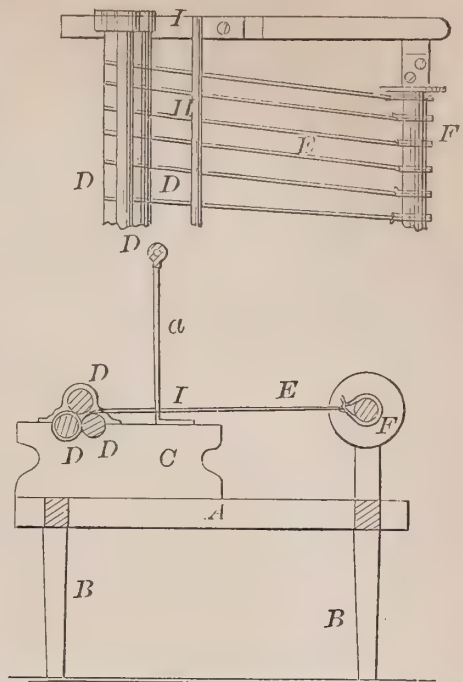
62825—E. P. Curtiss—Piston Rod for Steam Power, &amp;c.



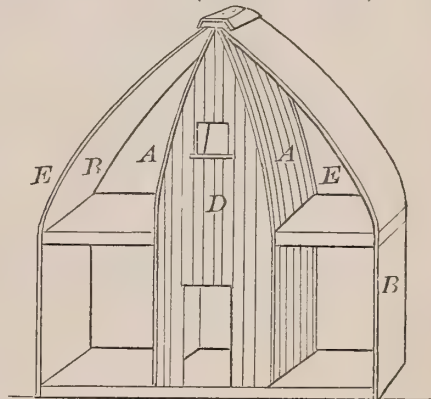
62829—L. H. Dwelley—For Cutting Rolls of Blinds.



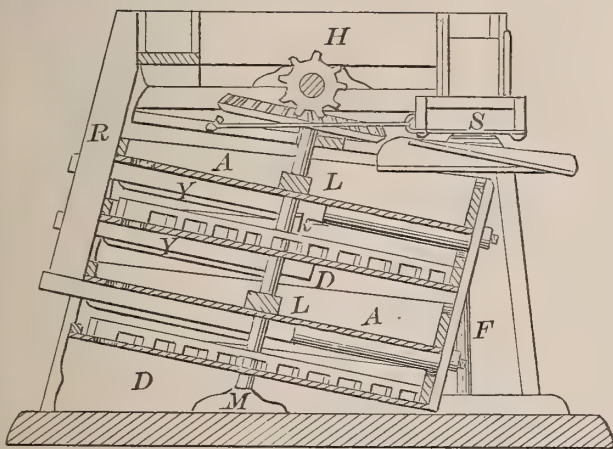
62830—O. F. Fitch—Carding Engine.



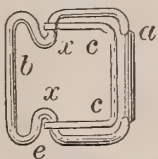
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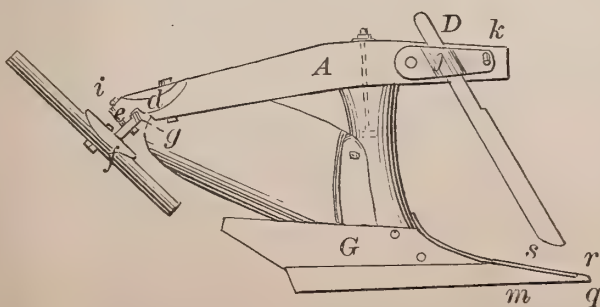
62833—D. L. Furmer—Washing Sand, &c.



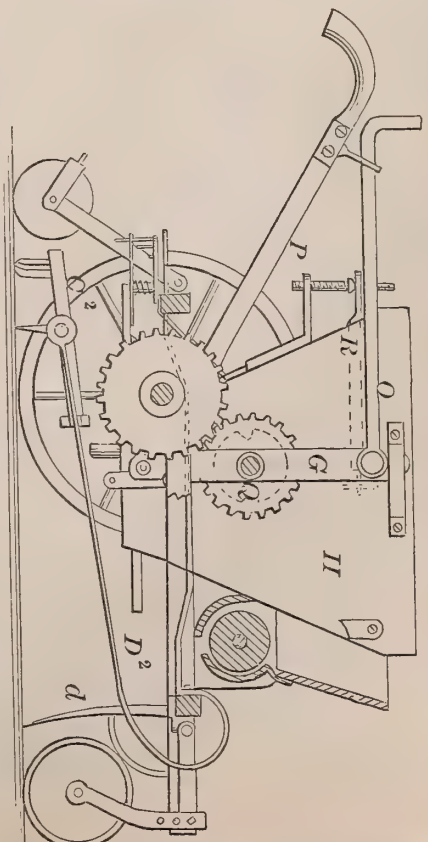
62832—M. Fowler—Buckle.



62835—L. Gibbs—Plow.

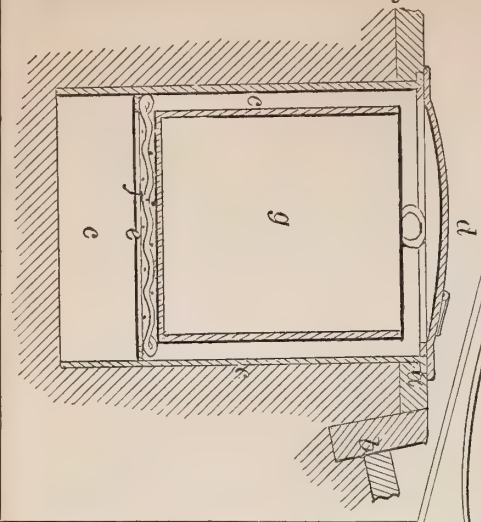


62834—C. C. Garrett—Corn and Cotton Seed Planter.

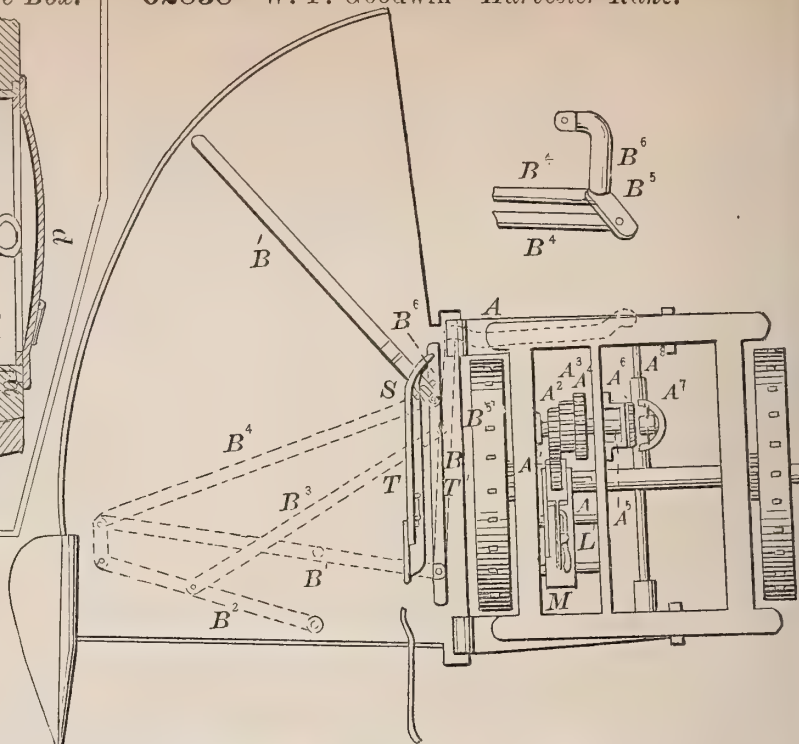




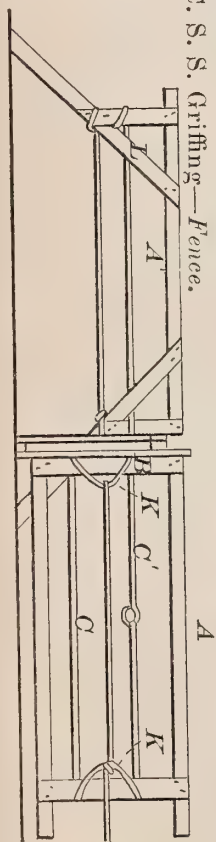
62836—M. Gilbert—Garbage Box.



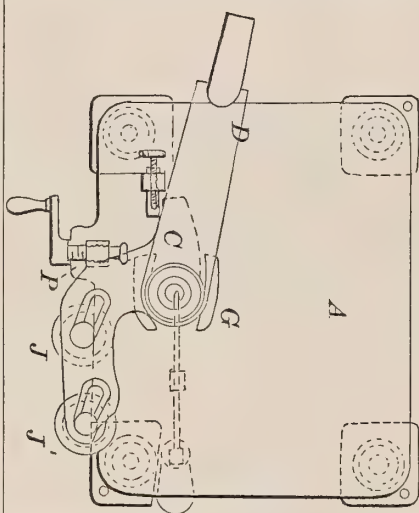
62838—W. F. Goodwin—Harvester Rake.



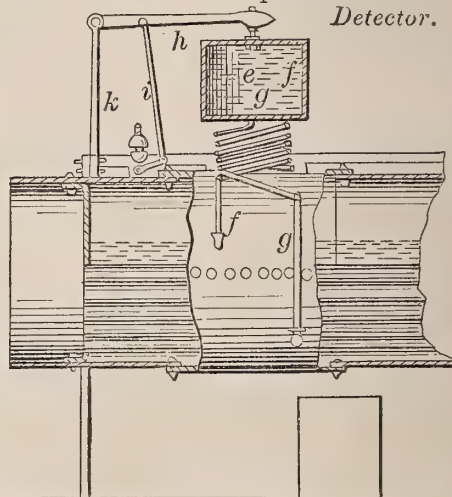
62840—C. S. S. Griffing—Fence.



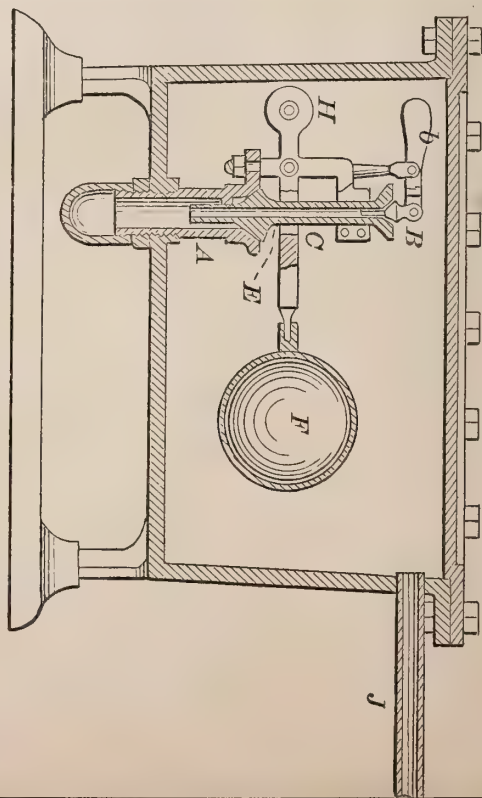
62839—R. M. Green—For Bending Cable Links.



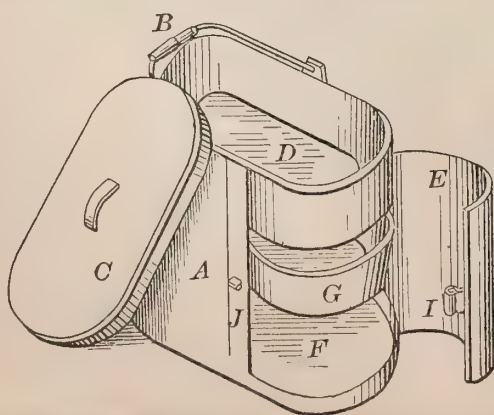
62837—J. E. Gillespie—Low Water Detector.



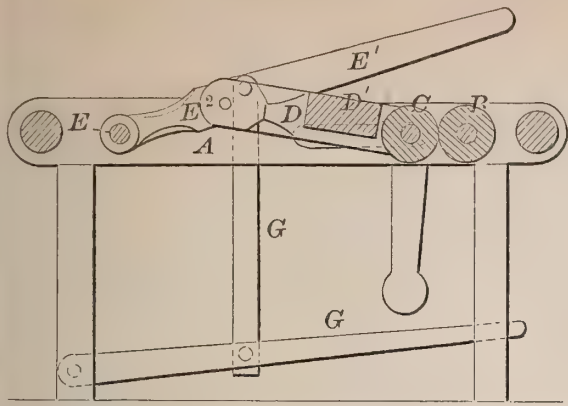
62841—J. Hague—Steam Trap.



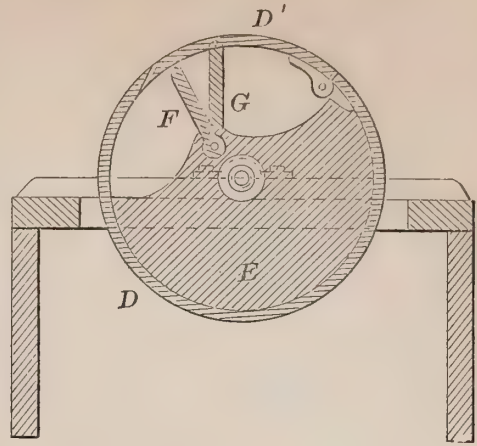
62842—J. Haines—Dinner Bucket.



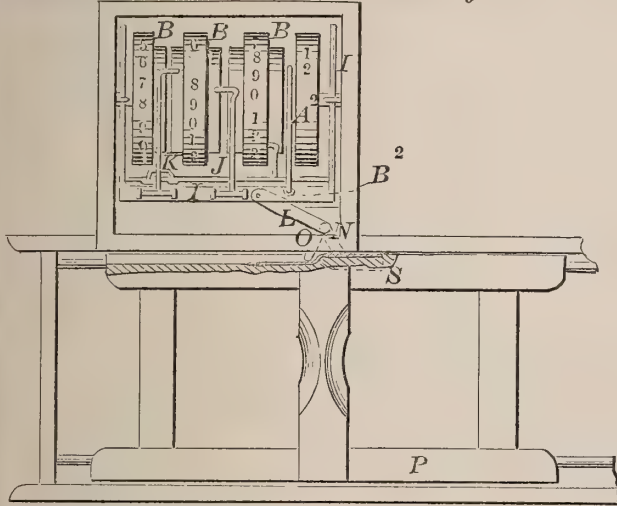
62843—L. Hannum—*Clothes Wringer.*



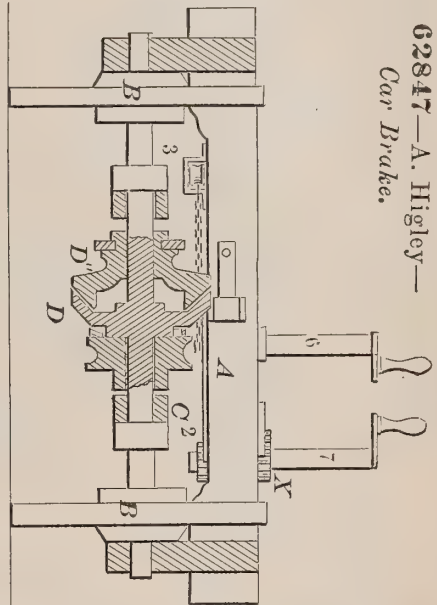
62844—T. Hanvey—*Cheese Box Machine.*



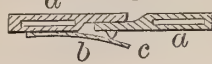
62845—L. O. Hayworth—*Grain Register.*



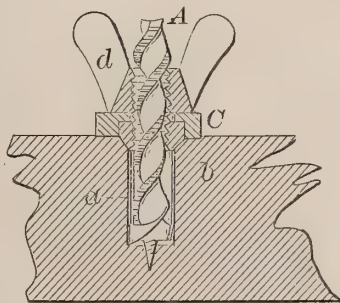
62847—A. Higley—*Car Brake.*



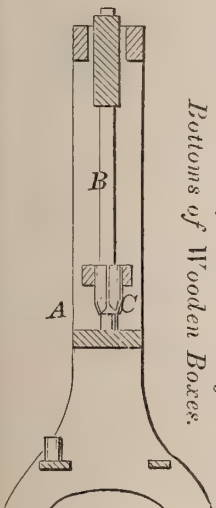
62848—J. Hill—*Corset Clasp.*



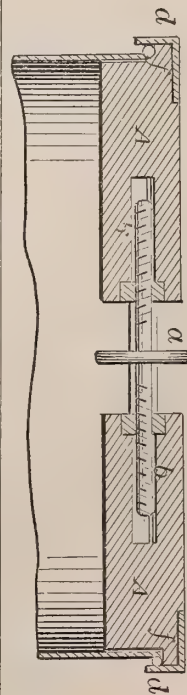
62849—T. Hofstatter, Jr.—*Auger.*



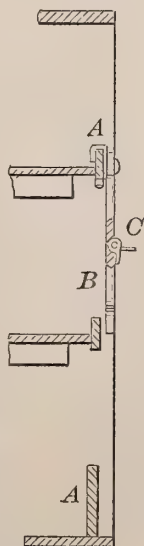
62846—E. Hersey—*For Cutting Heads and Bottoms of Wooden Boxes.*



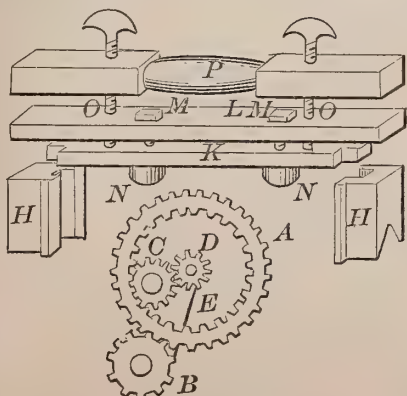
62852—J. S. Jennings—*Boiler Form.*



62850—Hoyt & Whitney—*Step Attachment for Berths.*

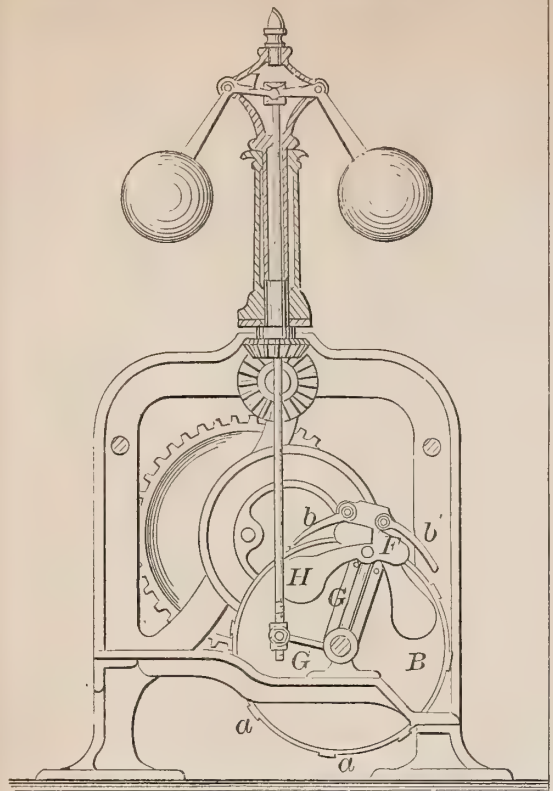


62851—R. B. Hugunin—*Wringing Machine.*

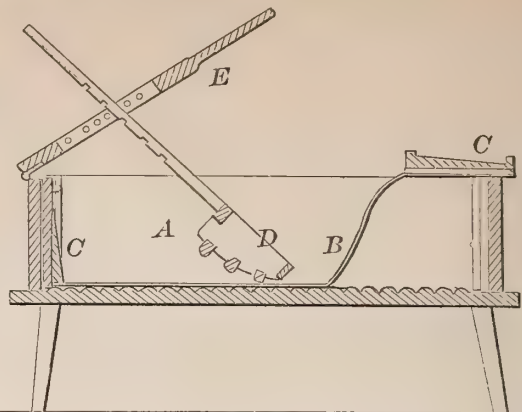




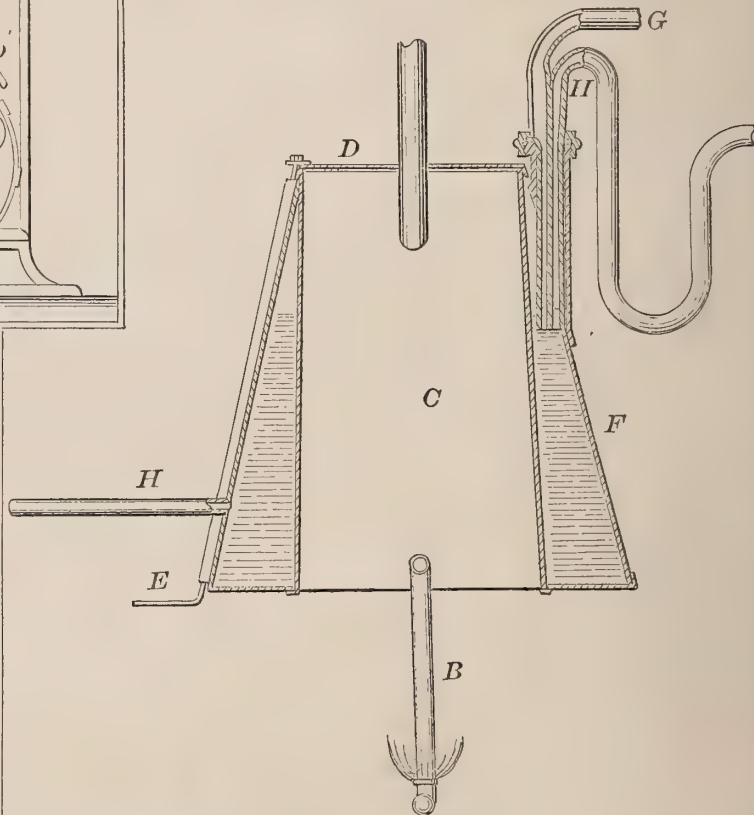
62853—O. A. Kelly—Governor.



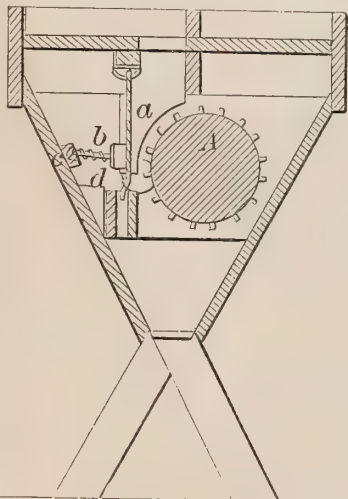
62854—G. Keyes—Washing Machine.



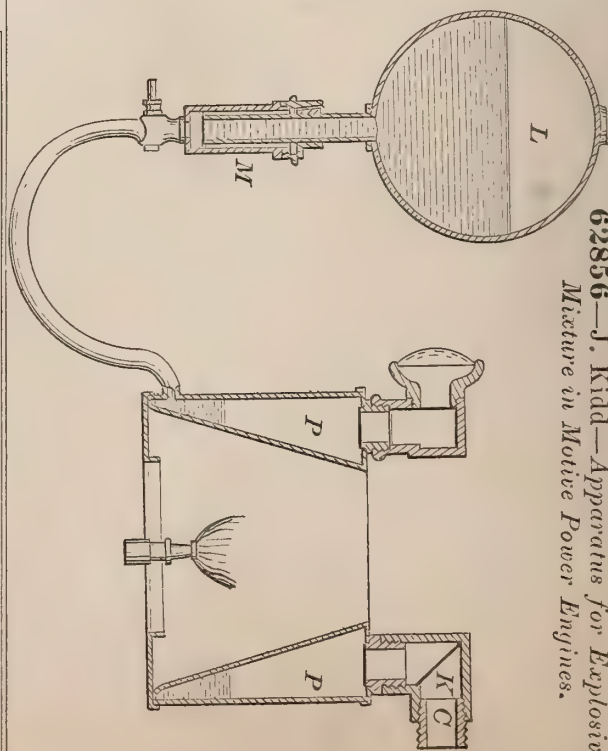
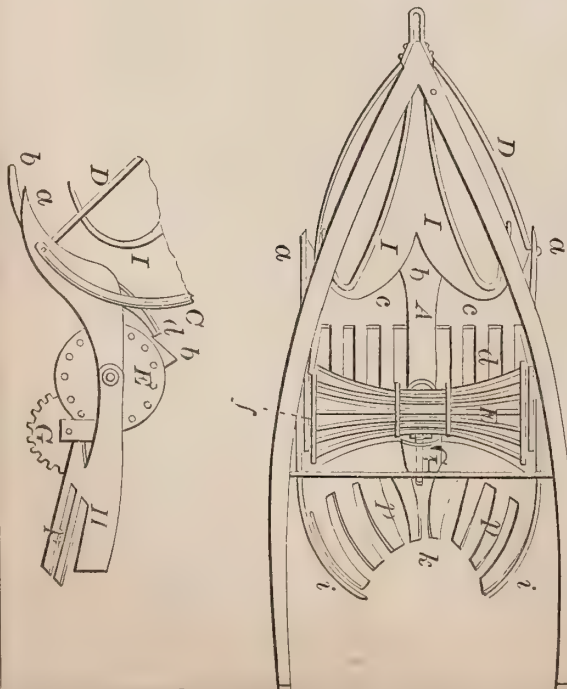
62855—J. Kidd—For Carburetting Gas, &amp;c.



62857—M. C. Kilgore—Corn Sheller.

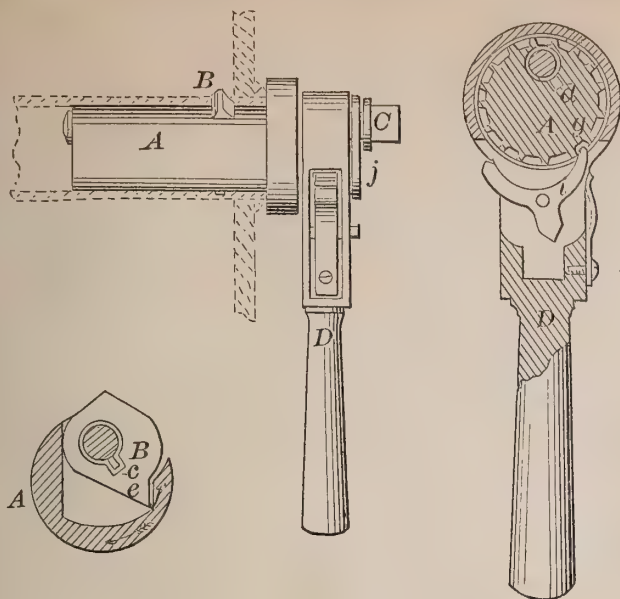


62858—H. J. Kintz—Potato Digger.

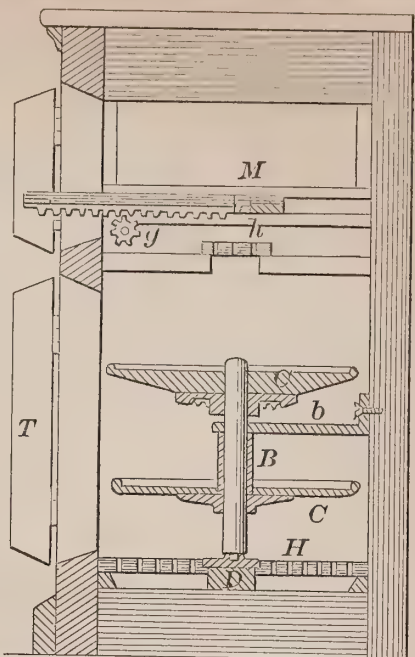


62856—J. Kidd—Apparatus for Explosive Mixture in Motive Power Engines.

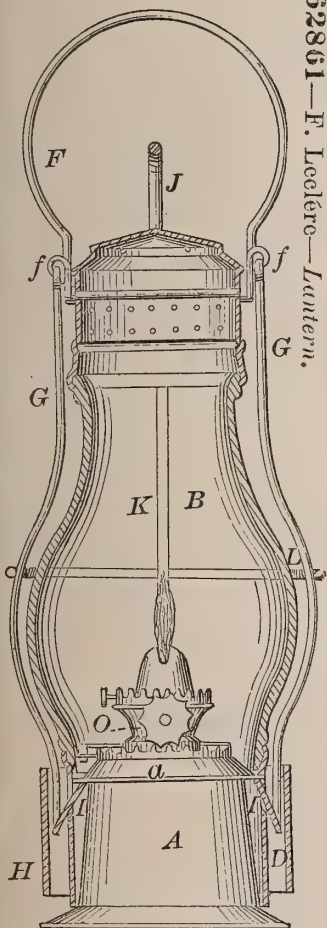
**62859**—R. Lavery—*For Cutting off Boiler Tubes.*



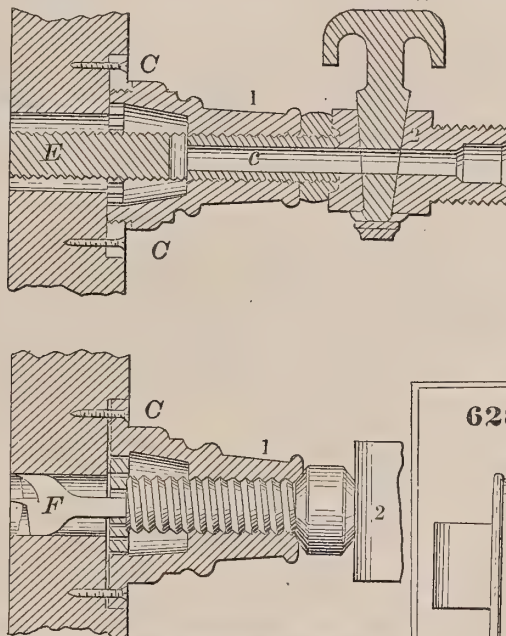
**62860**—P. Lawson—*Refrigerating, Cooling and Preserving Apparatus.*



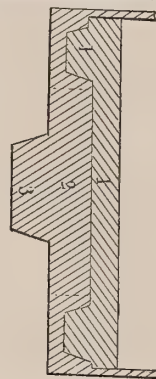
**62861**—F. Leclerc—*Lantern.*



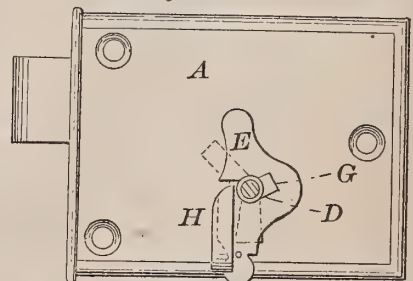
**62864**—T. Marsh—*Beer Faucet.*



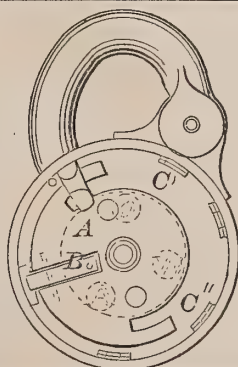
**62867**—D. L. McDonell—*Horse Shoe.*



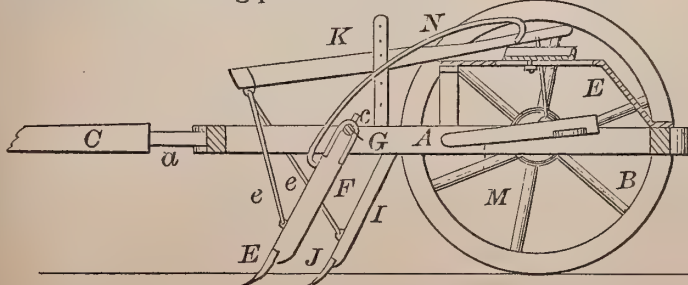
**62865**—F. J. May—*Safety Key Holder.*



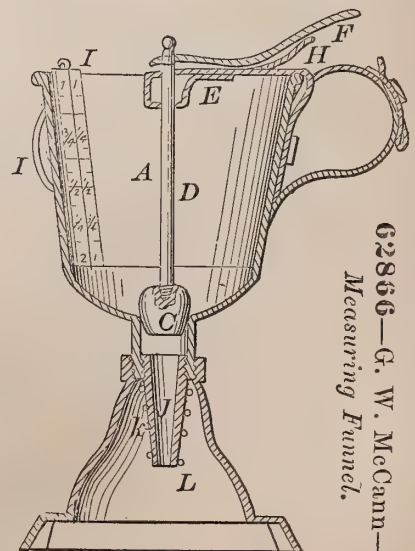
**62862**—A. Leyden—*Combination Padlock.*



**62868**—C. F. Megquier—*Cultivator.*

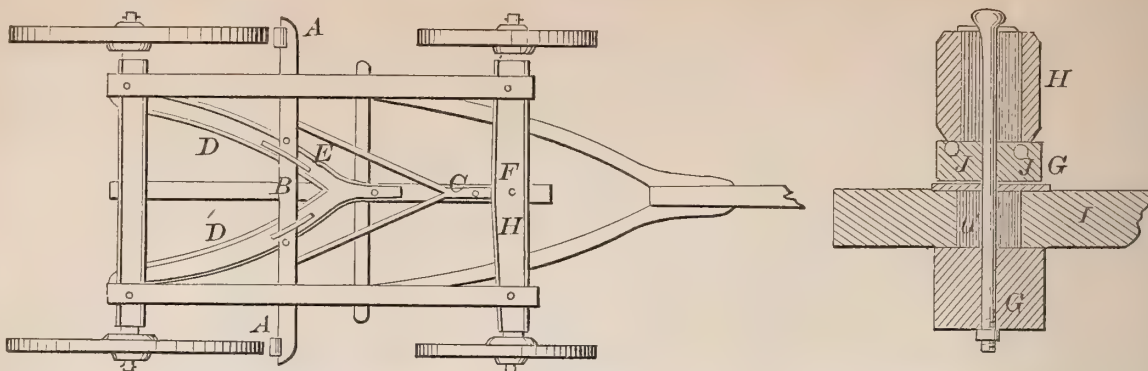


**62866**—G. W. McCann—*Measuring Funnel.*

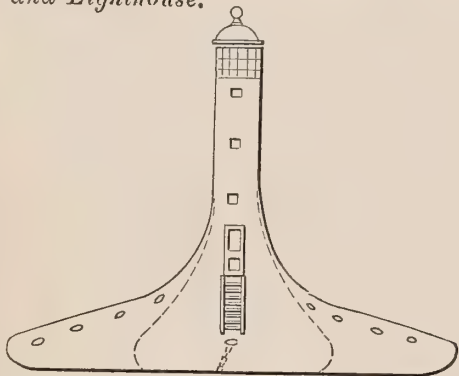




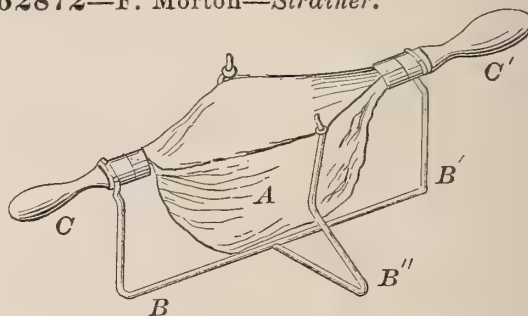
62869—W. D. Miller—Automatic Wagon Brake.



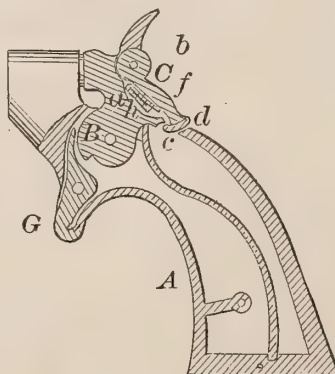
62870—J. Moody—Floating Battery and Lighthouse.



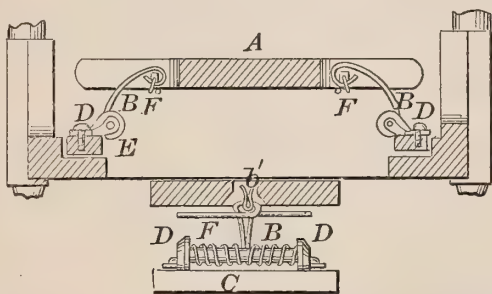
62872—F. Morton—Strainer.



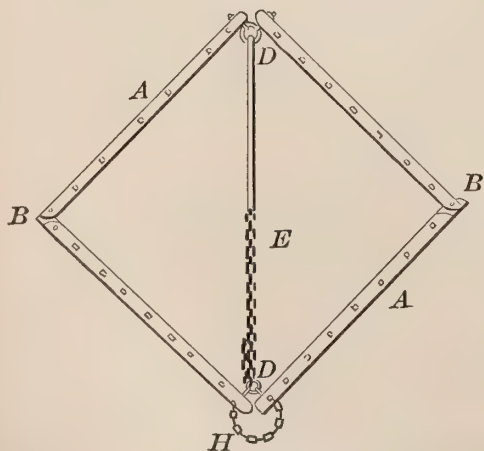
62873—A. S. Munger—Breech-Loading Fire-Arm.



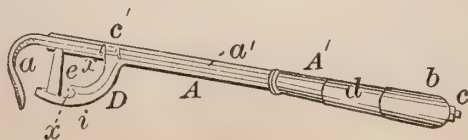
62871—T. B. Moore—Bed Bottom.



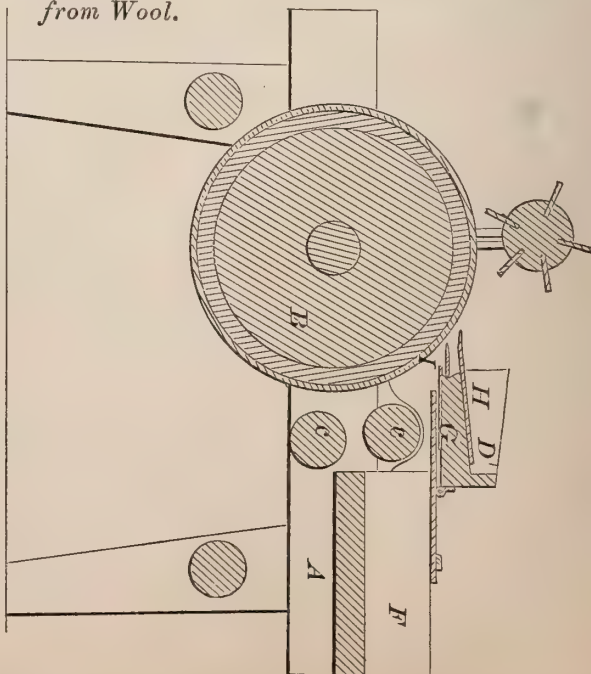
62875—G. Ogg—Harrow.



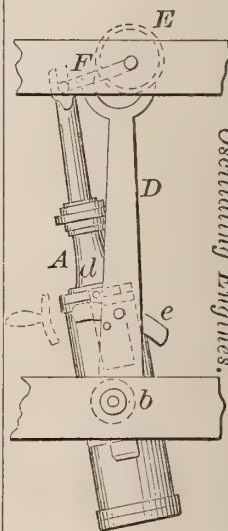
62876—I. E. &amp; J. A. Overpeck—Cane Stripper.



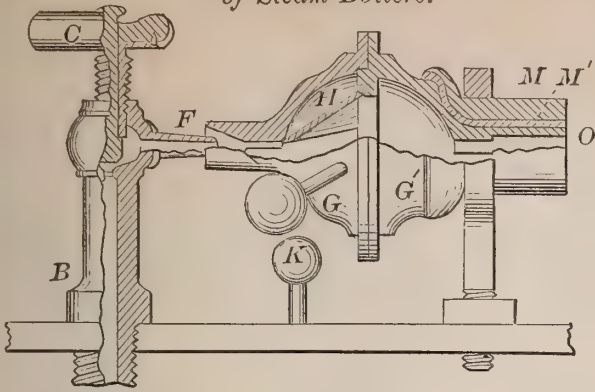
62877—Z. Parkhurst—For Removing Burrs from Wool.



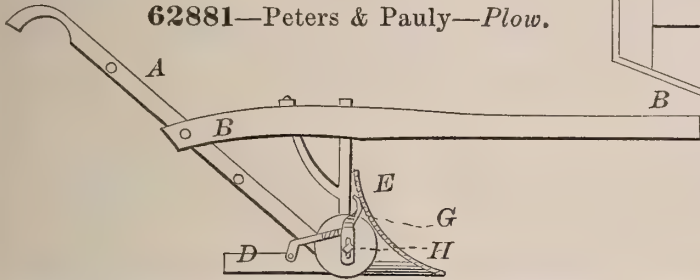
62874—J. H. Merrill—Valve Gear for Oscillating Engines.



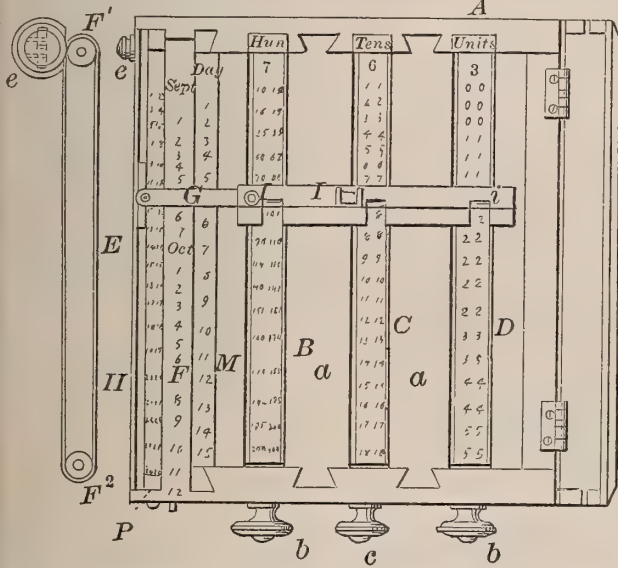
62878—G. T. Parry—Preventing Incrustation of Steam Boilers.



62881—Peters & Pauly—Plow.



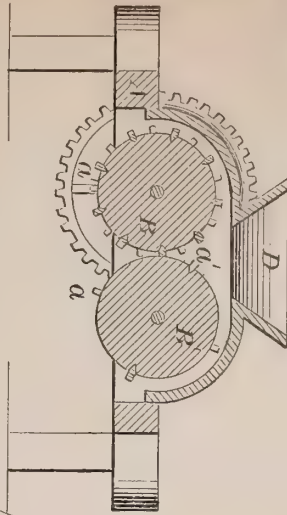
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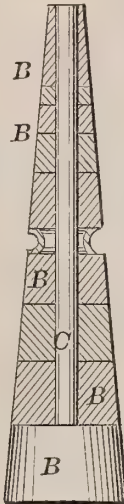
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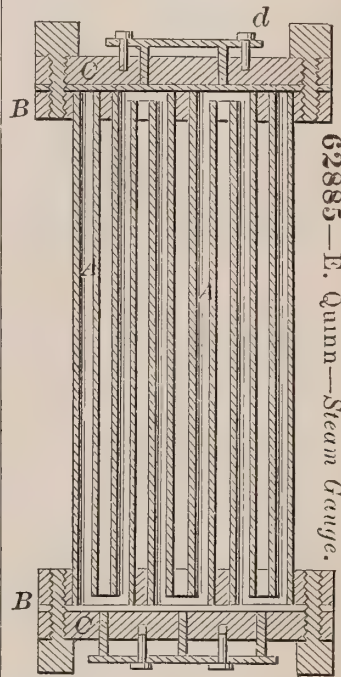
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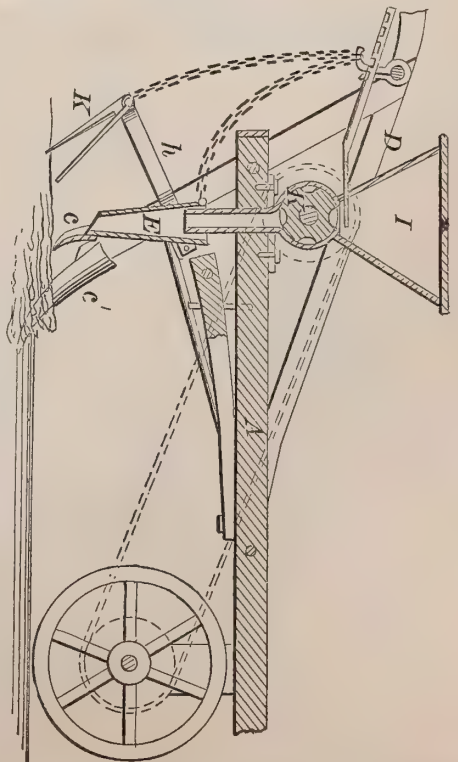
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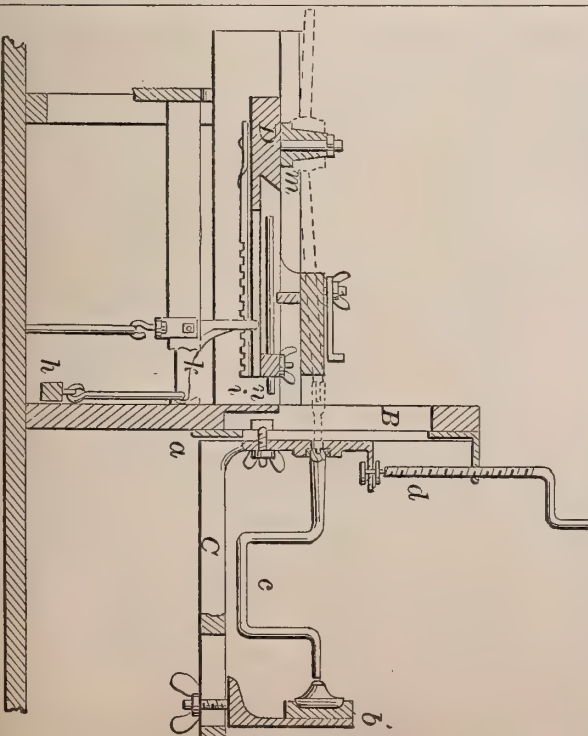
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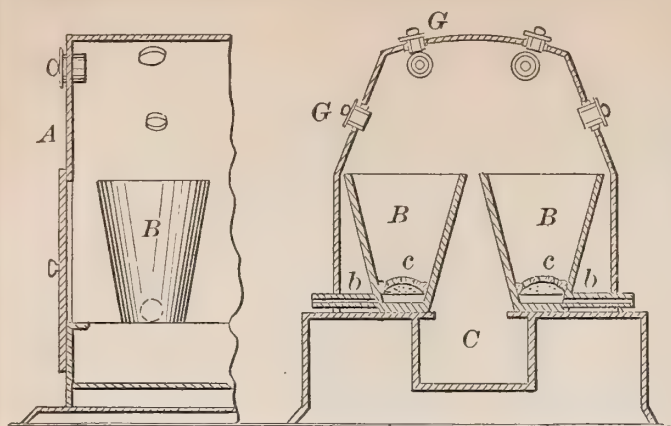
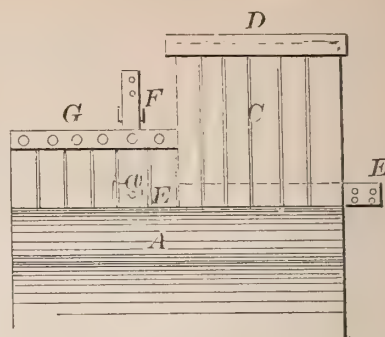
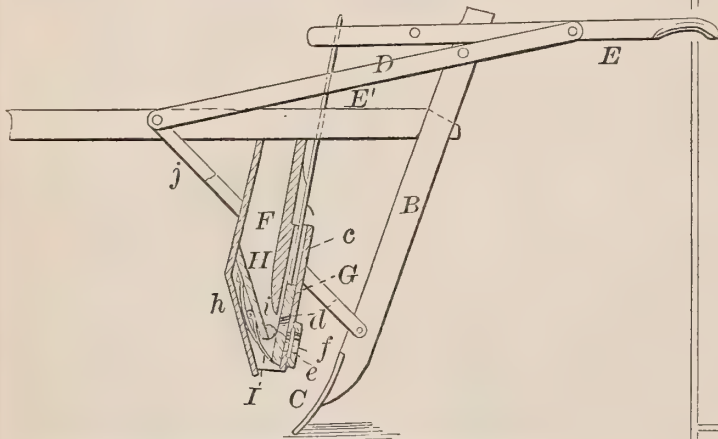
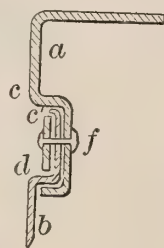
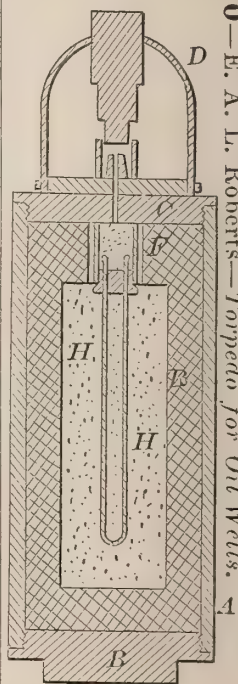
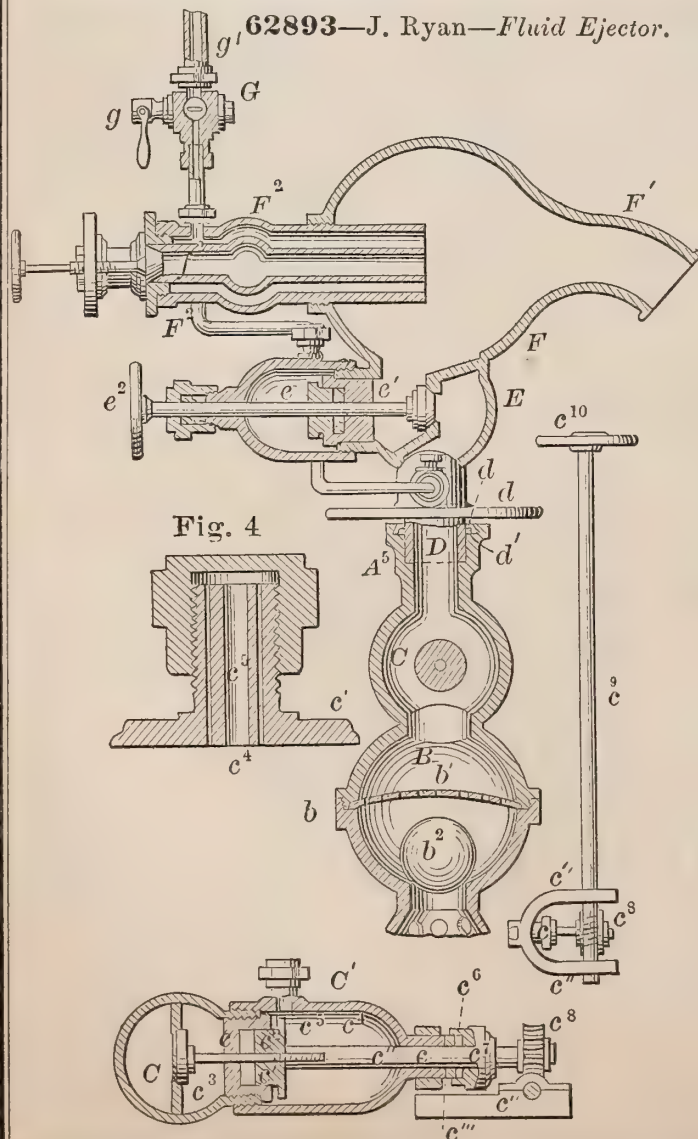
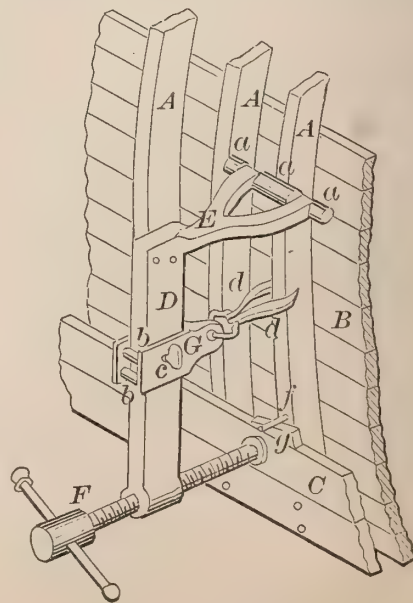
62886—L. M. Reamy—Corn Planter.



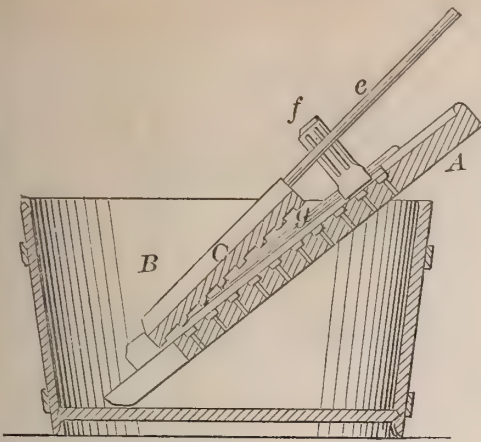
62883—T. Place—Boring and Tenoning Machine.



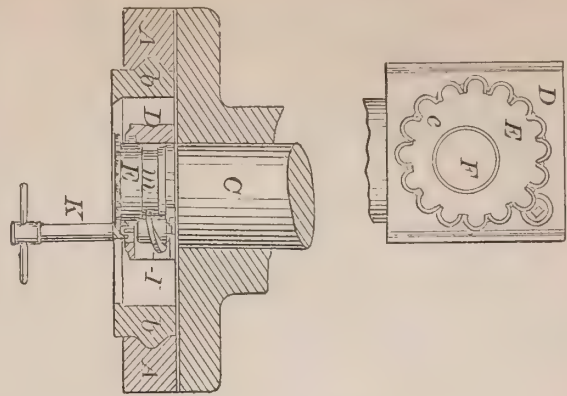


62887—S. Richards—*Glass Furnace.*62889—L. S. Robbins—*Construction of Dikes and Levees.*62888—J. S. Rickel—*Corn Planter.*62891—E. M. Robords—*Driving Well Tubes.*62892—E. A. G. Roullstone—*Traveling Bag.*62890—E. A. L. Roberts—*Torpedo for Oil Wells.*62893—J. Ryan—*Fluid Ejector.*62894—G. Savage, Jr.—*Planking Screw.*

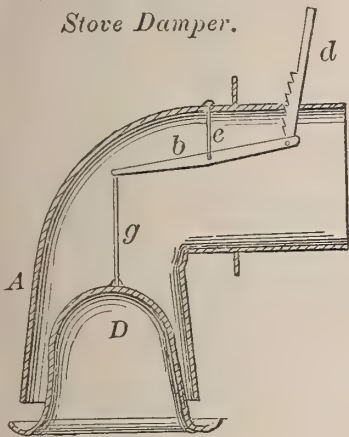
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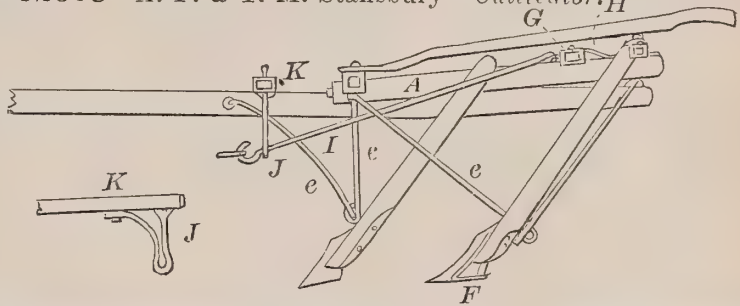
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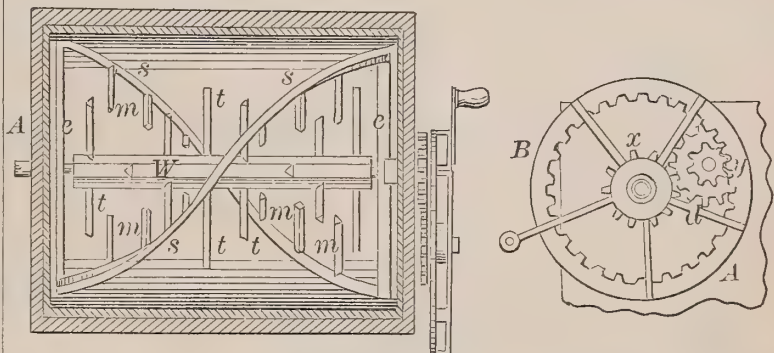
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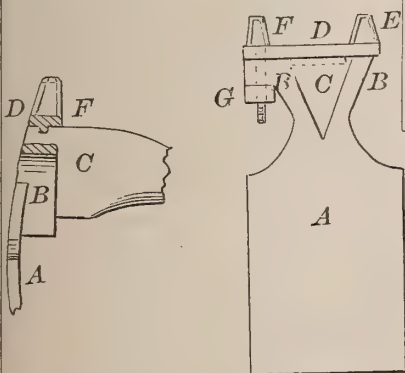
62898—A. F. & T. M. Stansbury—*Cultivator.*



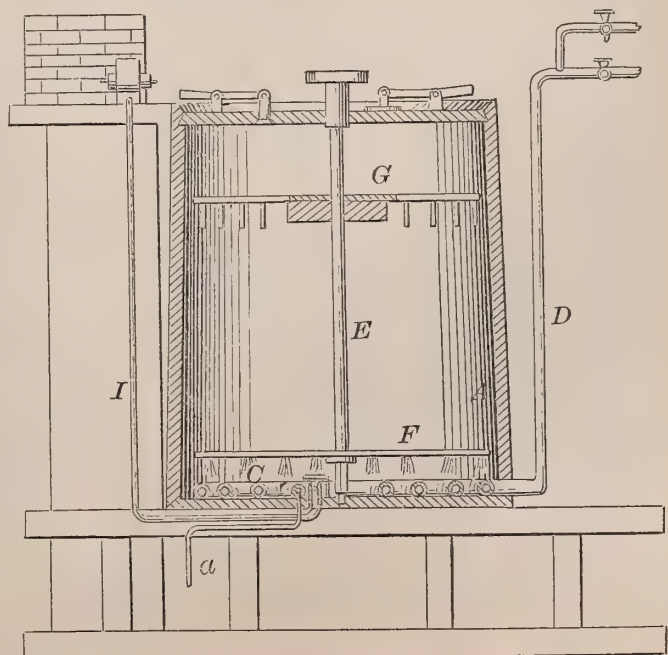
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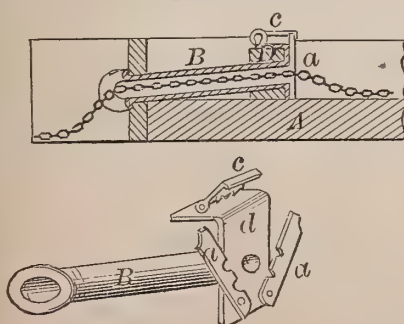
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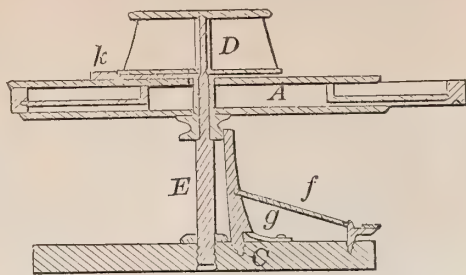
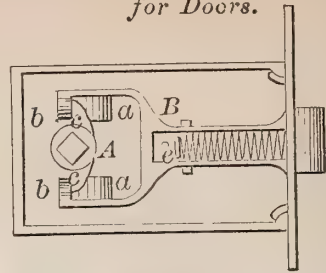
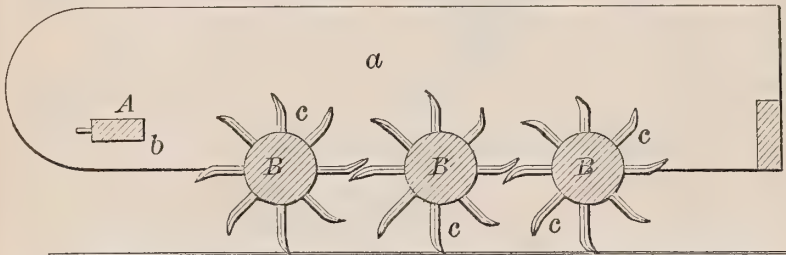
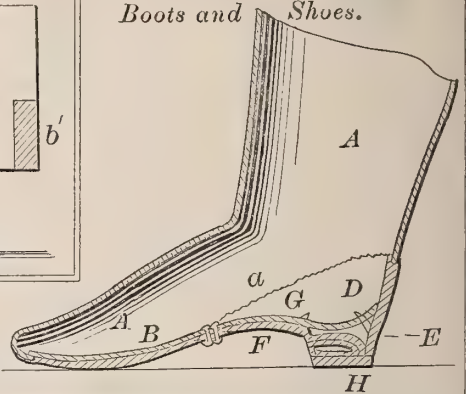
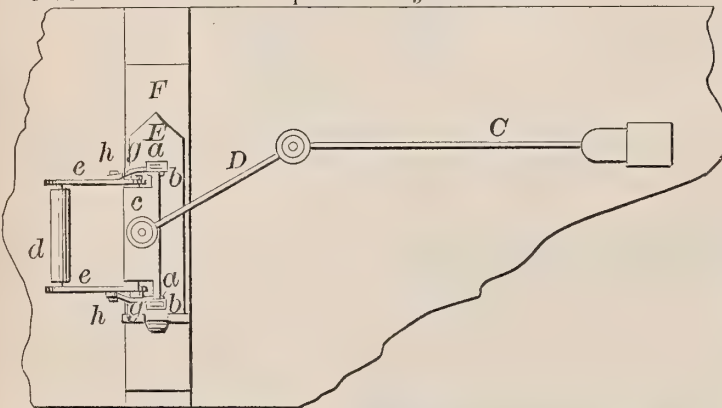
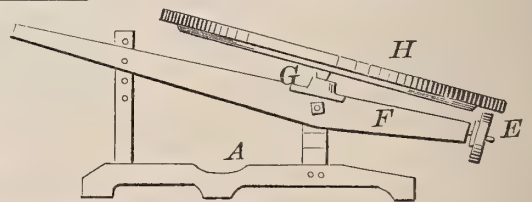
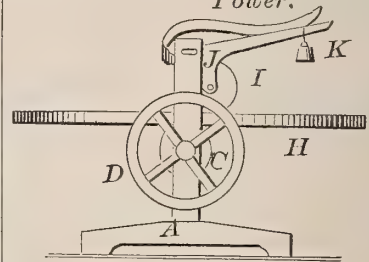
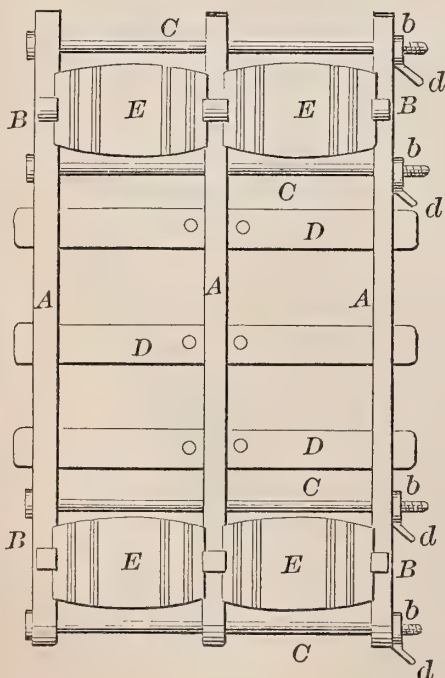
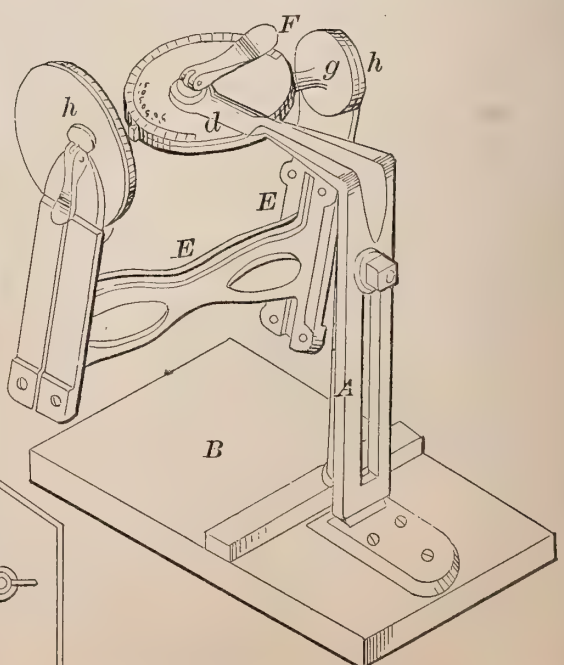
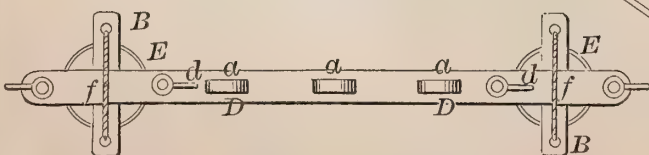
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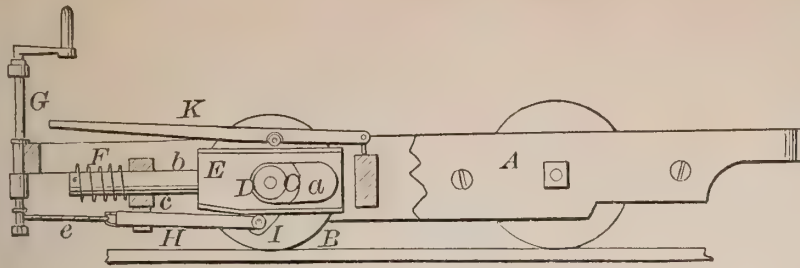
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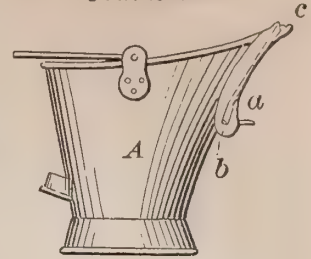


62903—J. Stewart—*Revolving Table.*62908—A. W. Upton—*Knob Latch for Doors.*62904—S. Svanson—*Harrow.*62907—G. W. Tolhurst—*Boots and Shoes.*62906—J. W. Thorp—*Ironing Machine.*62905—H. Swarthout—*Churn Power.*62910—Wheeler & Bickford—*Mitre Box.*62909—C. W. Wailey—*Life Preserving Raft.*

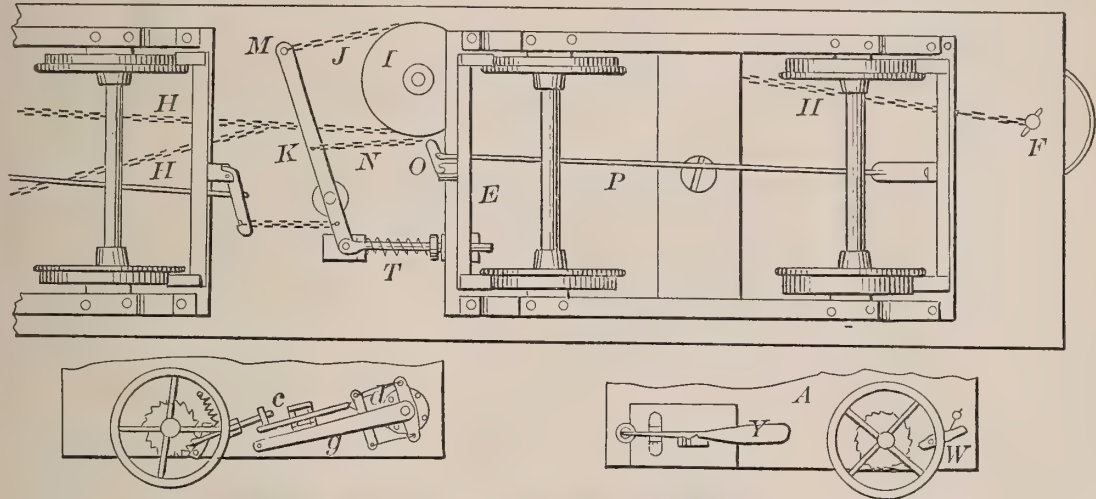
62911—J. Wiley, 2d—*Car Starter and Brake.*



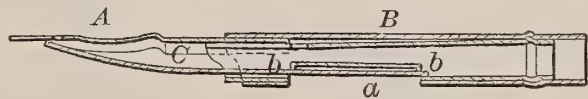
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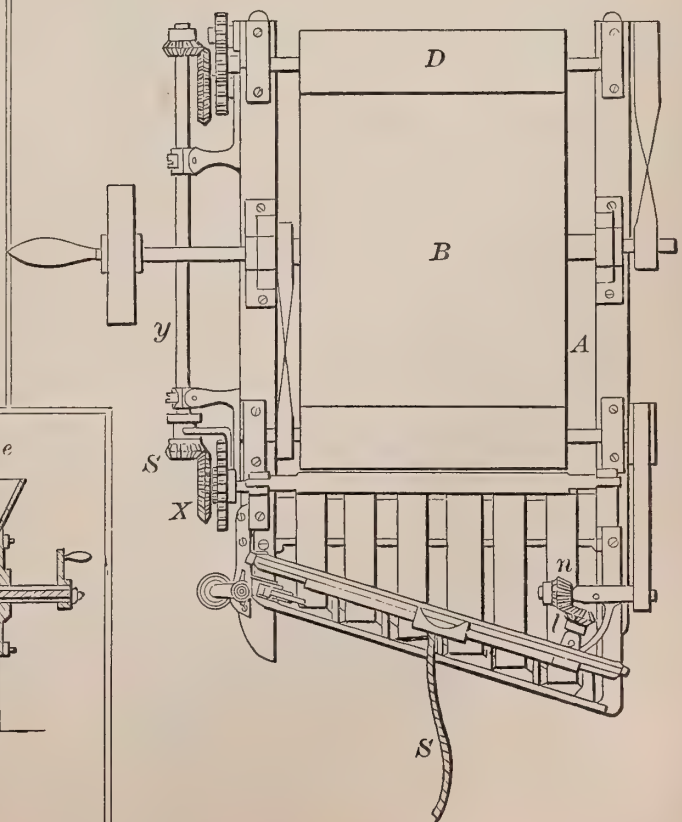
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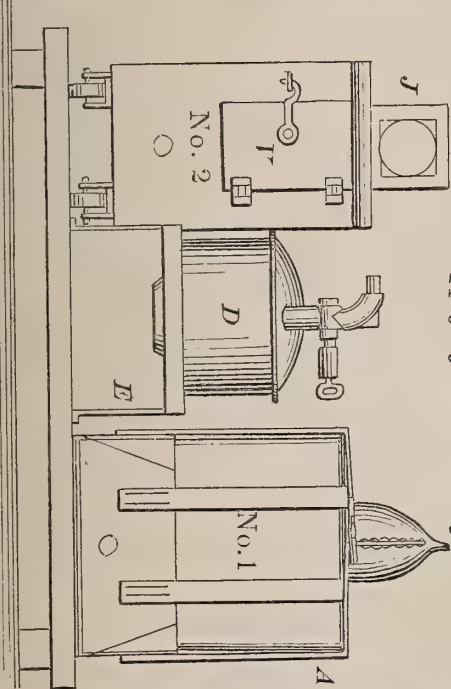
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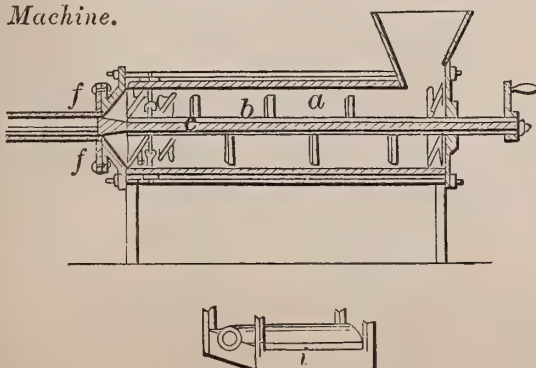
62917—Ainsworth & Wright—*Carding Engine.*



62916—J. Allen—*Applying Remedial Agents.*

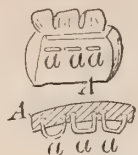


62914—R. Woodcock—*Tile and Pipe Machine.*

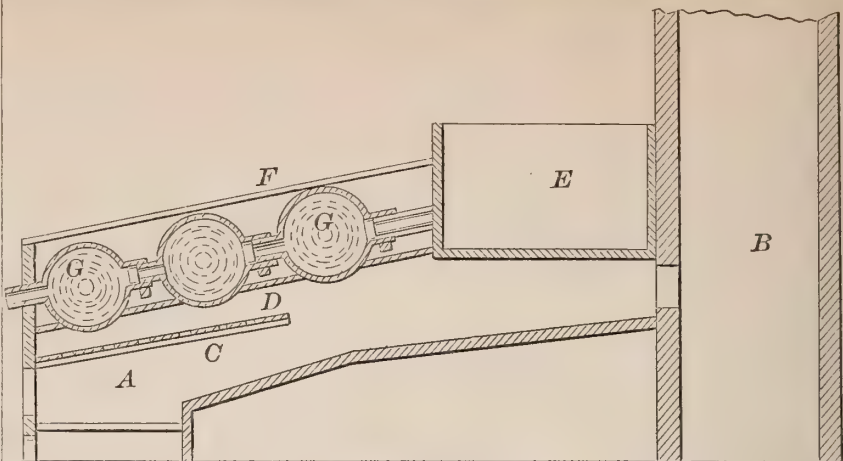




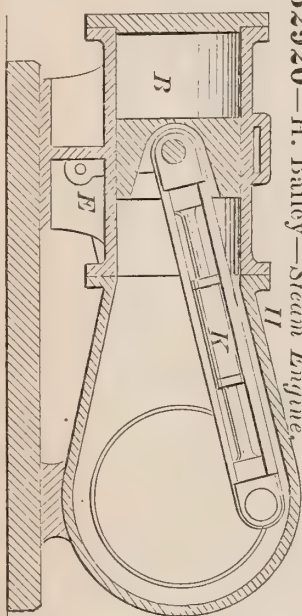
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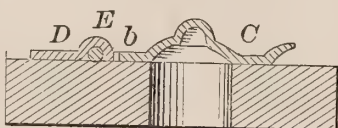
**62919**—Ashworth & Eaton—*Concentrating Sulphuric Acid.*



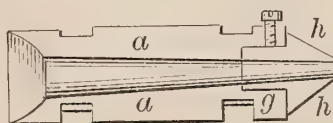
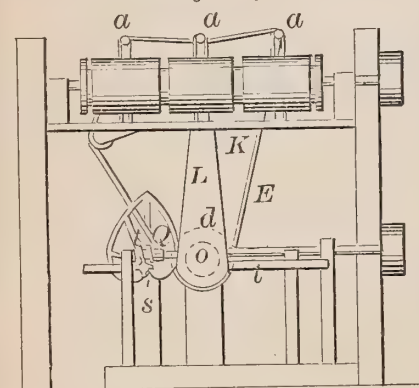
**62920**—H. Bailey—*Steam Engine.*



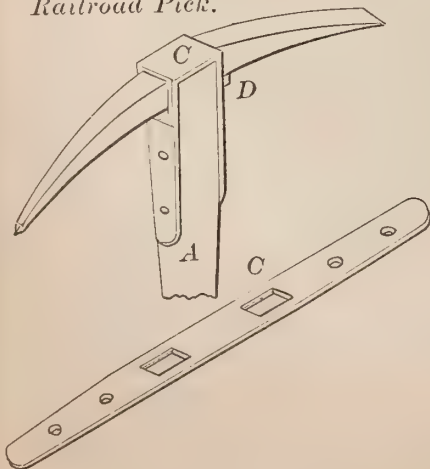
**62925**—J. A. Blake—*Ink Well Cover.*



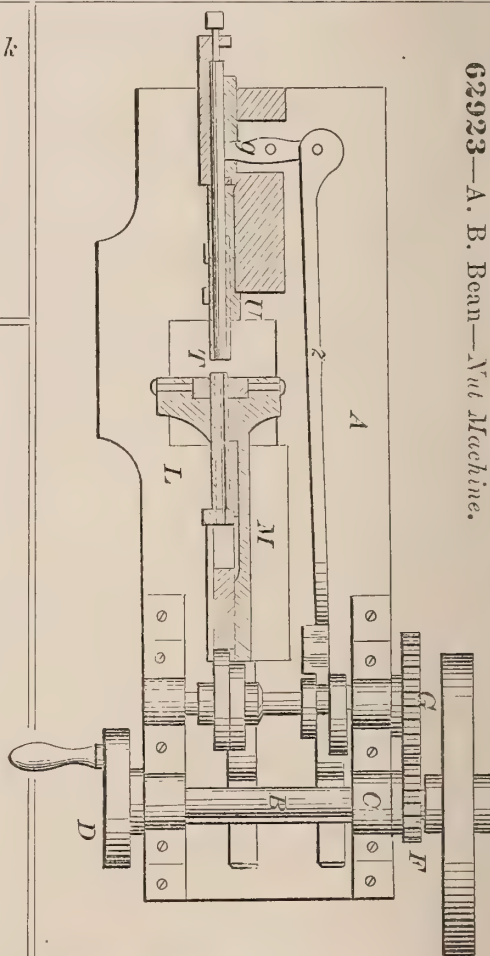
**62921**—S. R. & G. W. Ballard—*Carding Engine.*



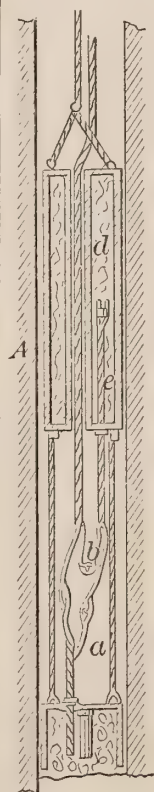
**62928**—Barstow & Ingoldsby—*Railroad Pick.*



**62923**—A. B. Bean—*Nut Machine.*



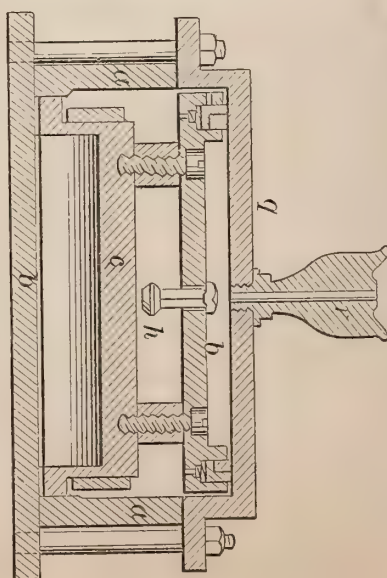
**62926**—R. Boeken—*Exploding Torpedoes in Oil Wells.*



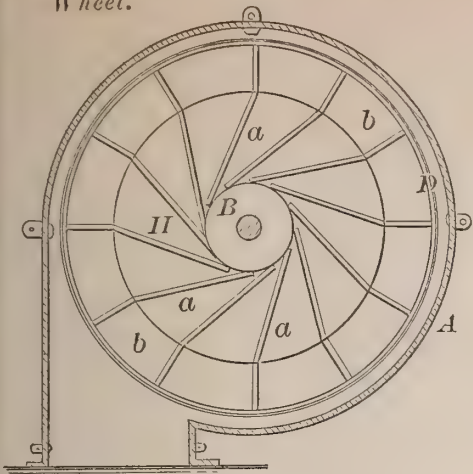
**62927**—W. R. Bradford—*Cover for Kils of Sugar Refiners.*



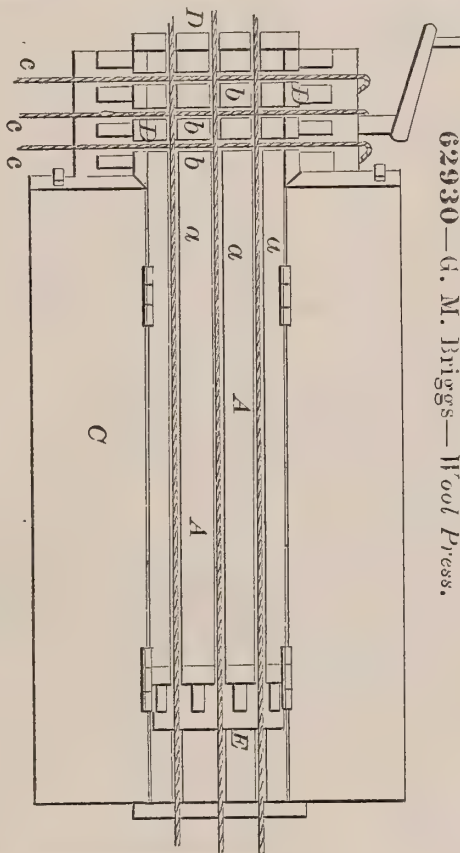
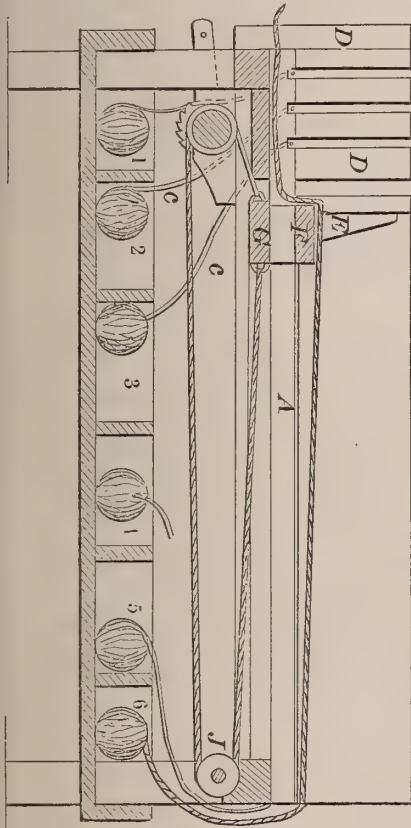
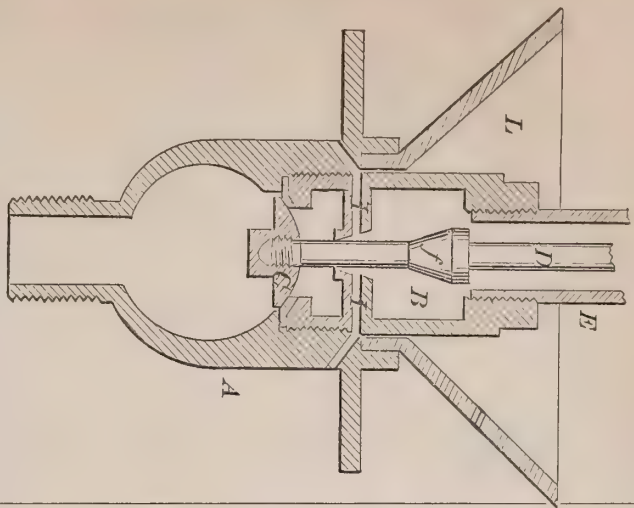
**62924**—W. Birch—*Steam Engine Slide Valve.*



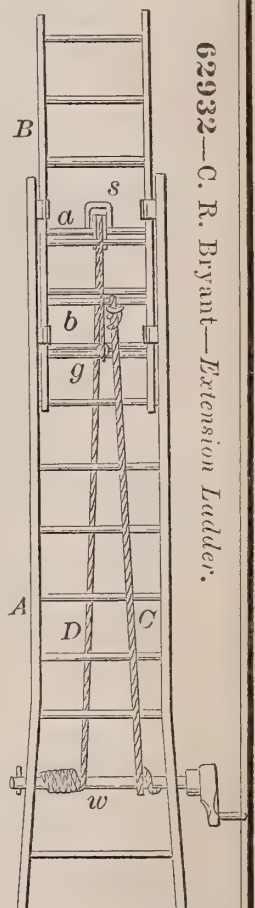
62929—Bridge & Craig—Water Wheel.



62933—J. H. Buckley—Hydrant.

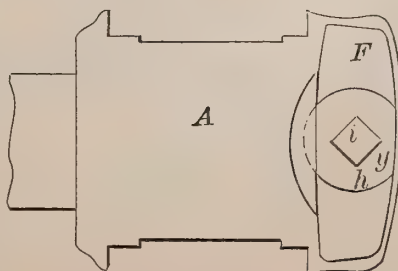
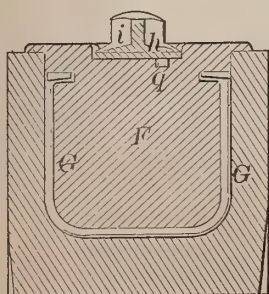
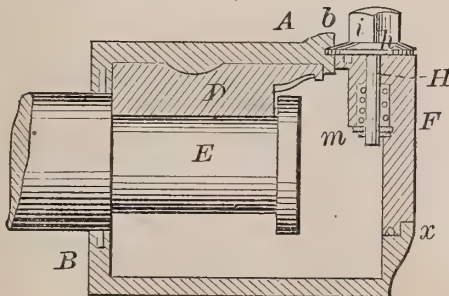


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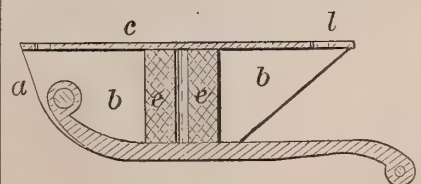
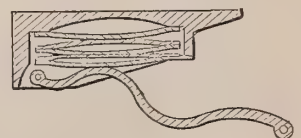


62932—C. R. Bryant—Extension Ladder.

62931—G. Brill—Axle Box.

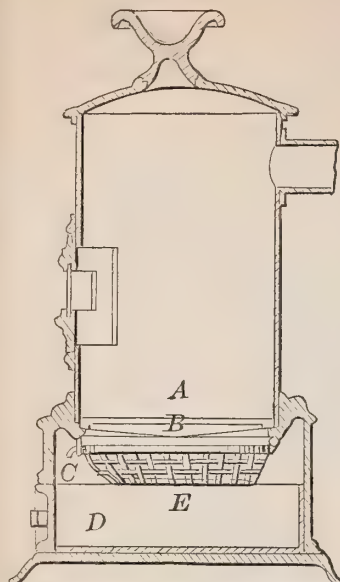


62934—G. W. Buss—Car Spring.

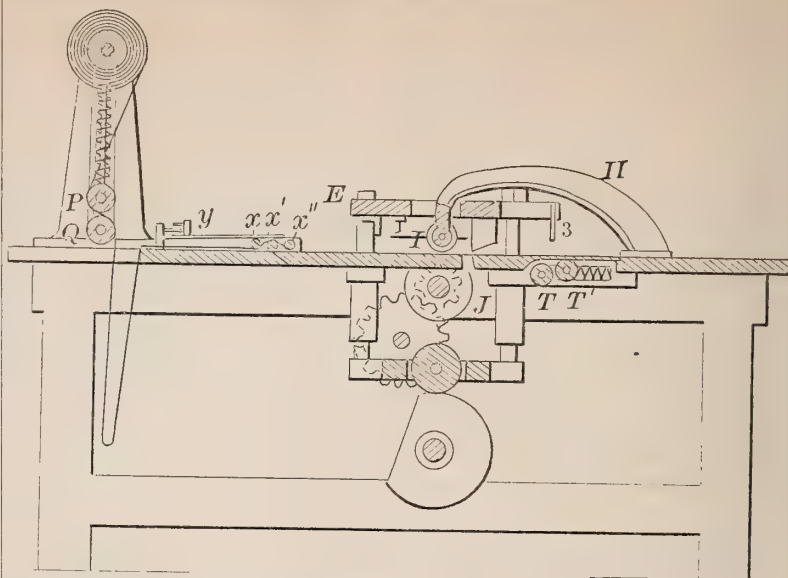




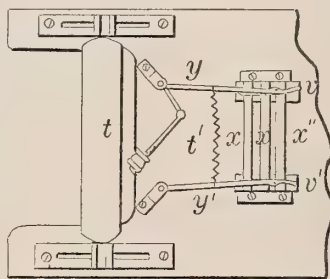
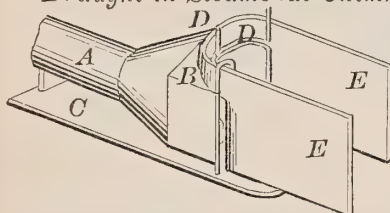
62935—H. L. Byrd—Kindling for Stoves.



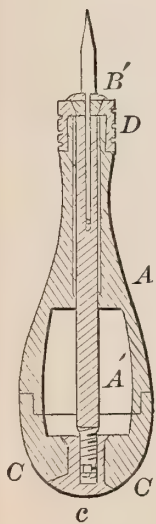
62939—J. H. Cooper—Envelope Machine.



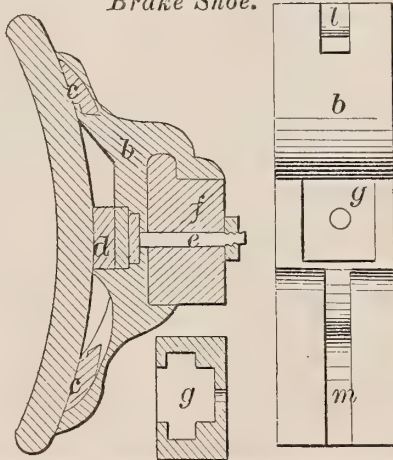
62937—J. B. Campbell—for Regulating Draught in Steamboat Chimneys, &amp;c.



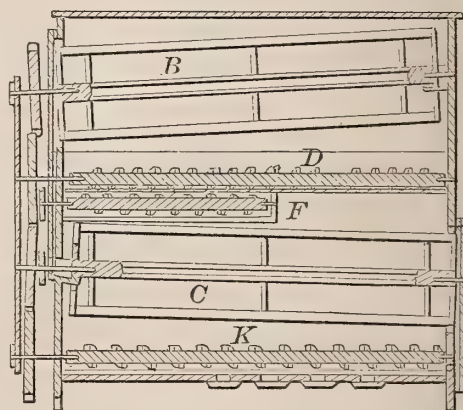
62938—N. S. Clement—Axe Handle.



62940—E. L. Countiss—Car Brake Shoe.



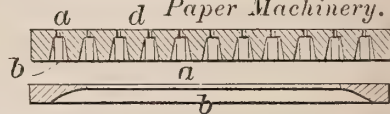
62943—W. Derwent, Jr.—Flour Bolt.



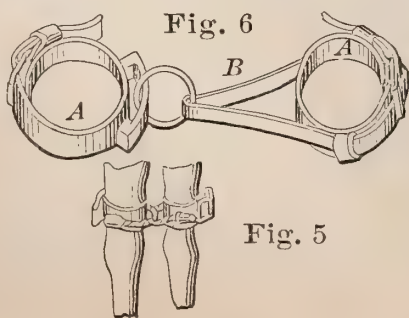
62941—C. O. Crosby—Soldering Iron.



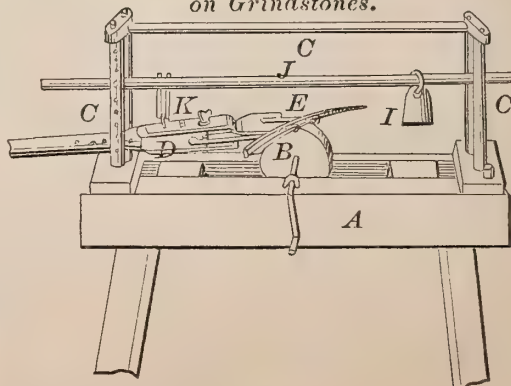
62942—F. Curtis—Screen Plate for Paper Machinery.

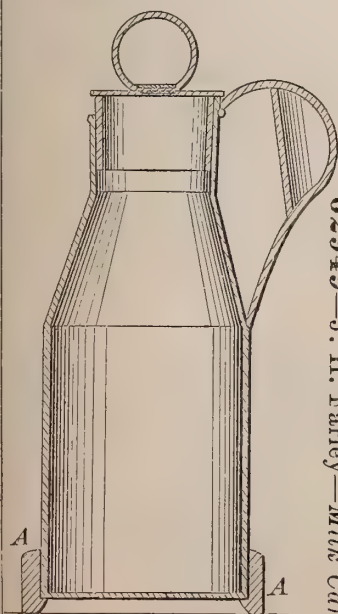
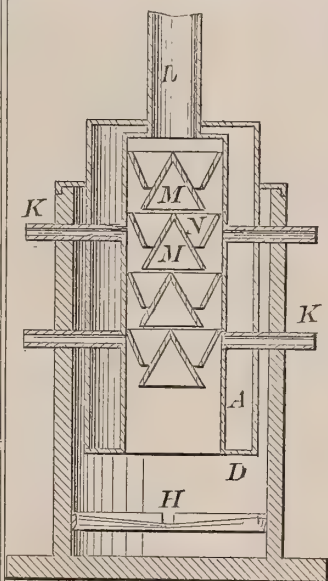
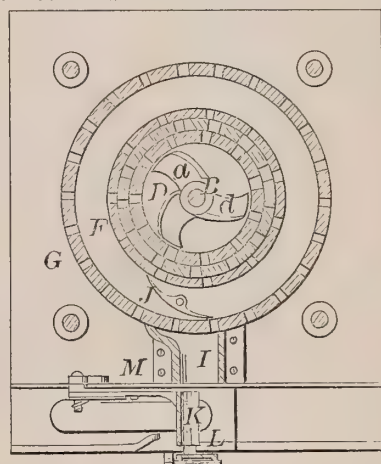
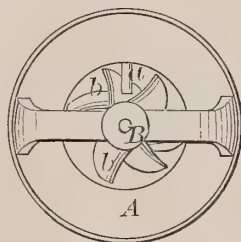
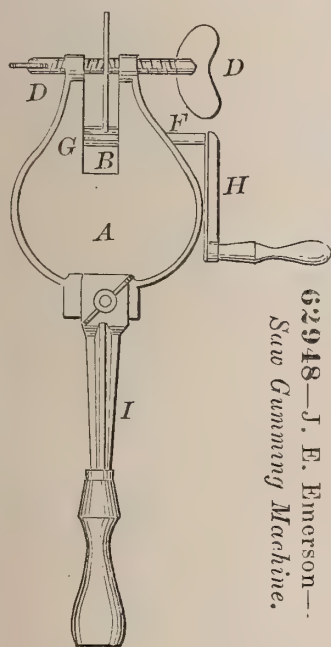
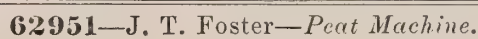
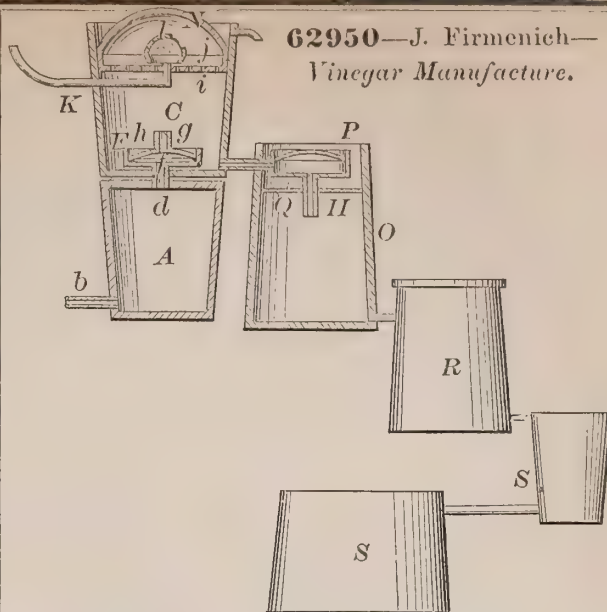
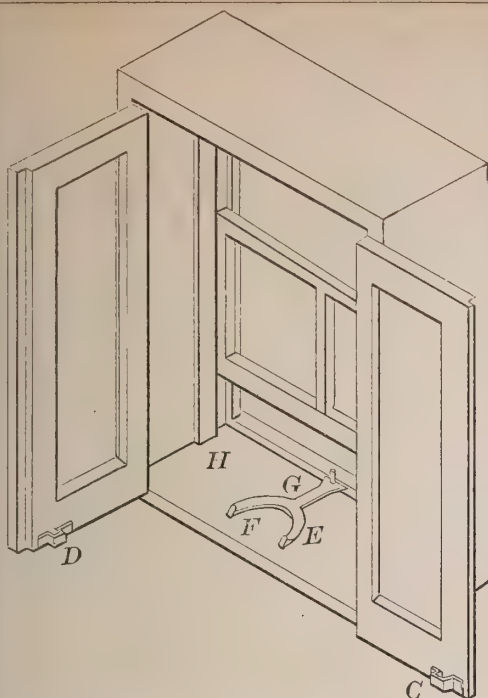


62946—R. N. Eagle—Hobble for Horses.



62945—P. V. Dunn—Holding Edged Tools on Grindstones.







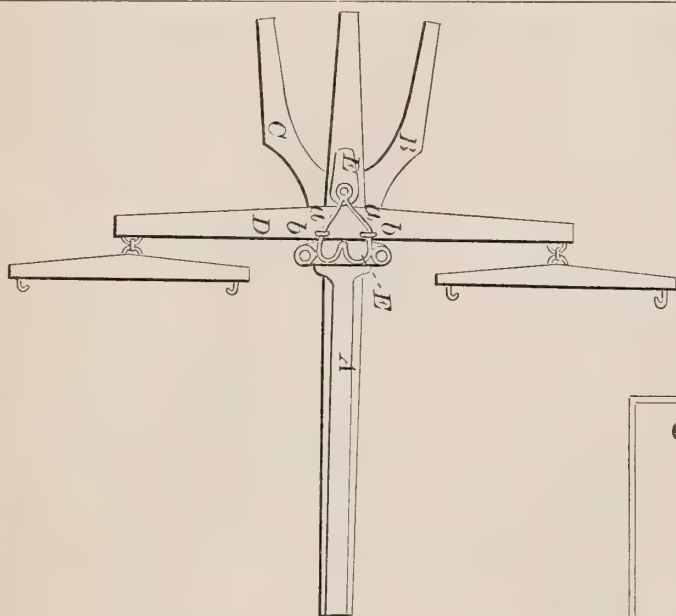
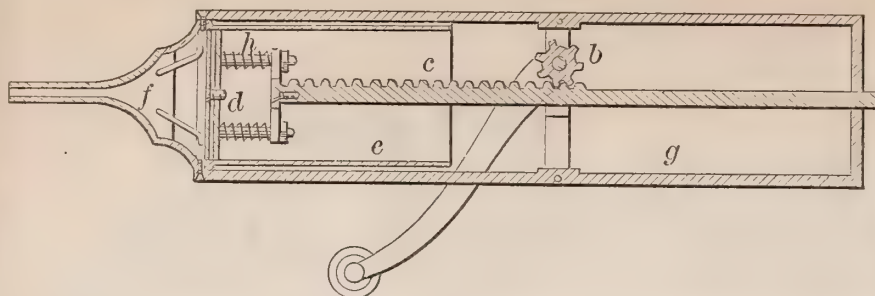
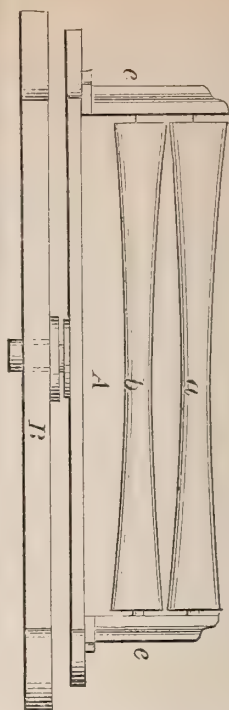
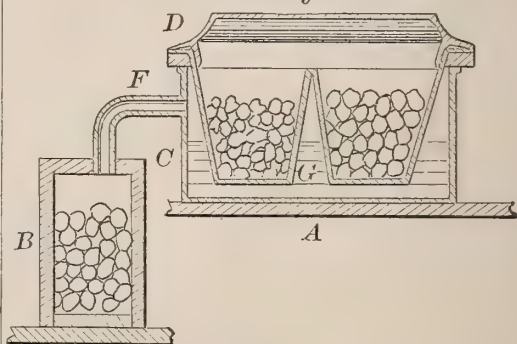
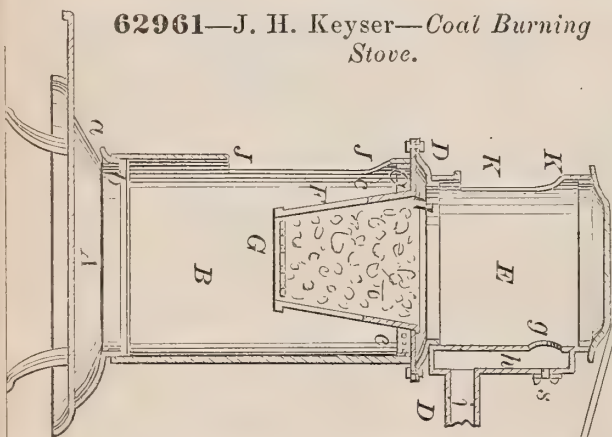
62955—A. F. Hammond—*Garden Syringe.*62957—J. B. Hough—*Doubletree.*62958—R. L. Howe—*Guide Roll for Paper Mills.*62960—W. Janney—*For Cooking and Preserving Fruit.*62961—J. H. Keyser—*Coal Burning Stove.*62959—P. Gengembre—*Carte de Visite Exhibitor.*

Fig. 1

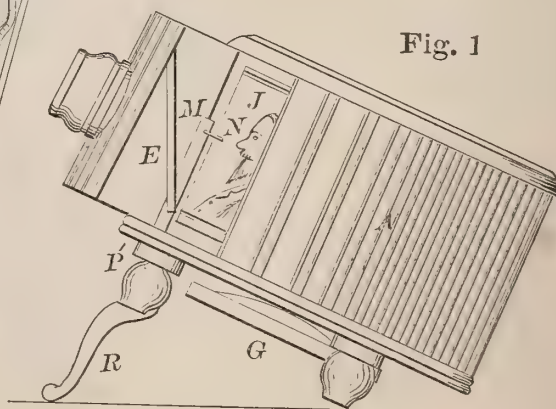
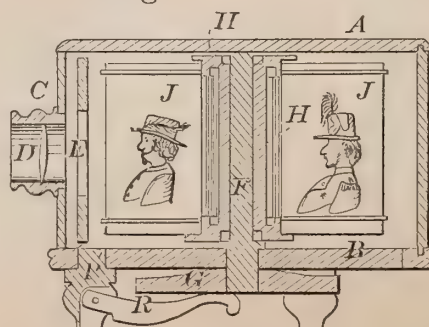
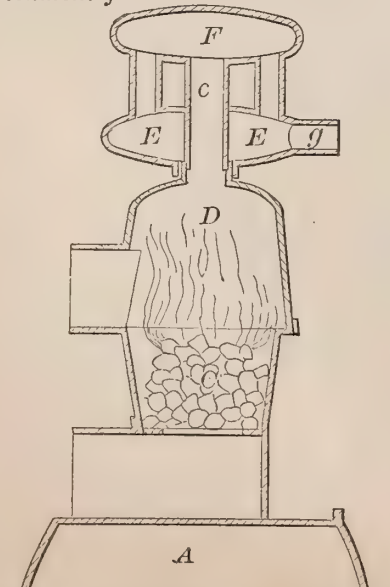
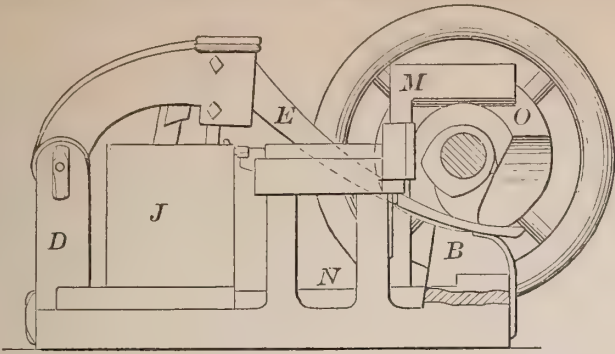


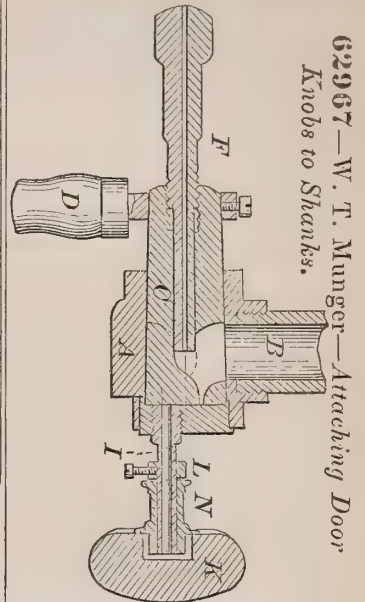
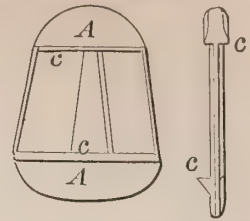
Fig. 2

62962—J. H. Keyser—*Radiating Attachment for Hot Air Furnaces.*

62963—W. Koplin—*Carriage Bolt Machine.*

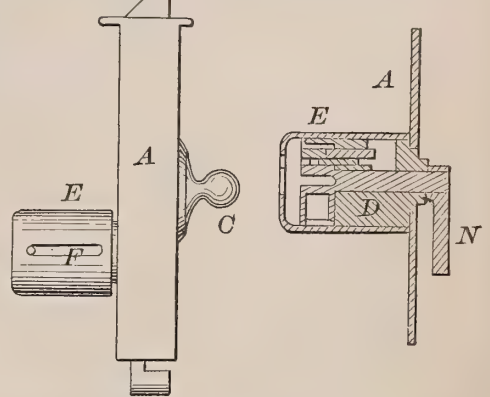


62964—D. M. Lawrence—*Clasp for Barrel Hoops.*

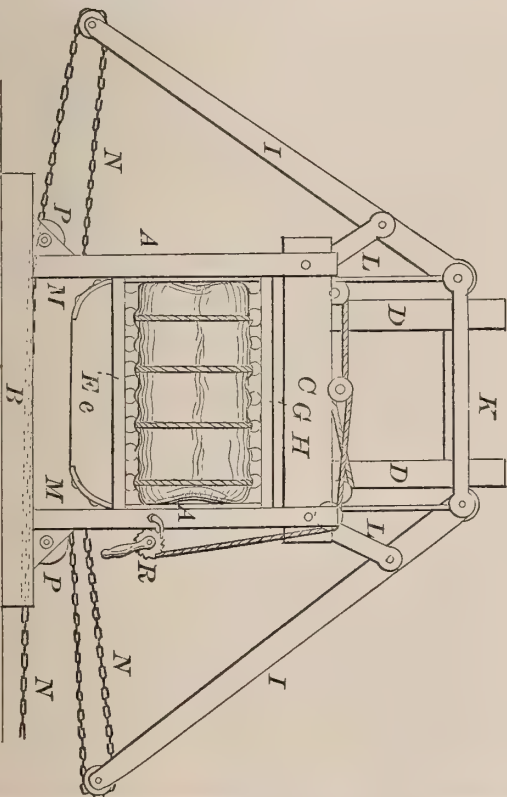


62967—W. T. Munger—*Attaching Door Knobs to Shanks.*

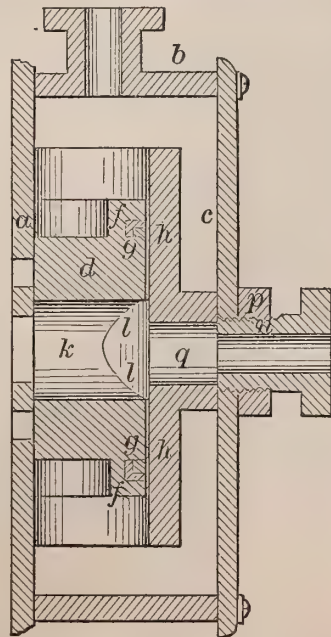
62968—W. T. Munger—*Adjustable Escutcheon for Night Latches.*



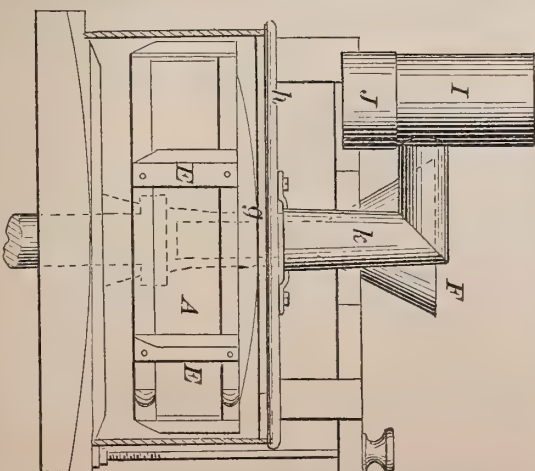
62965—E. McDonnell—*Cotton Press.*



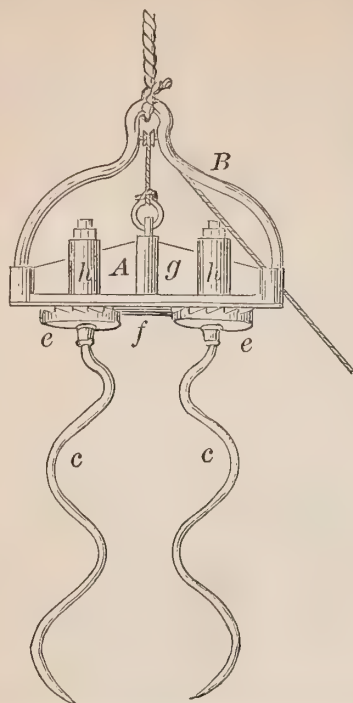
62969—J. Nesbitt—*Steam Engine Slide Valve.*



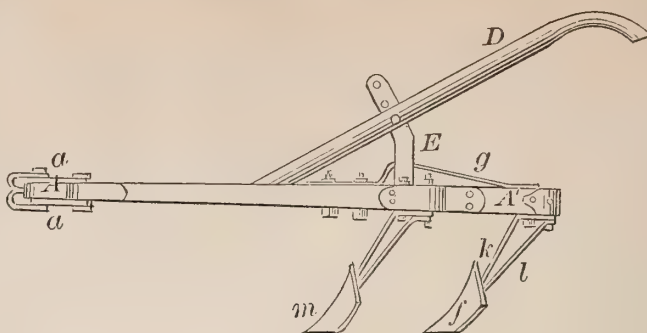
62966—C. Moegling—*Grinding Mill.*



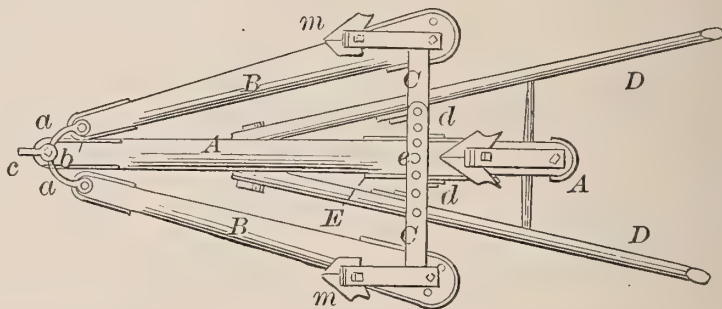




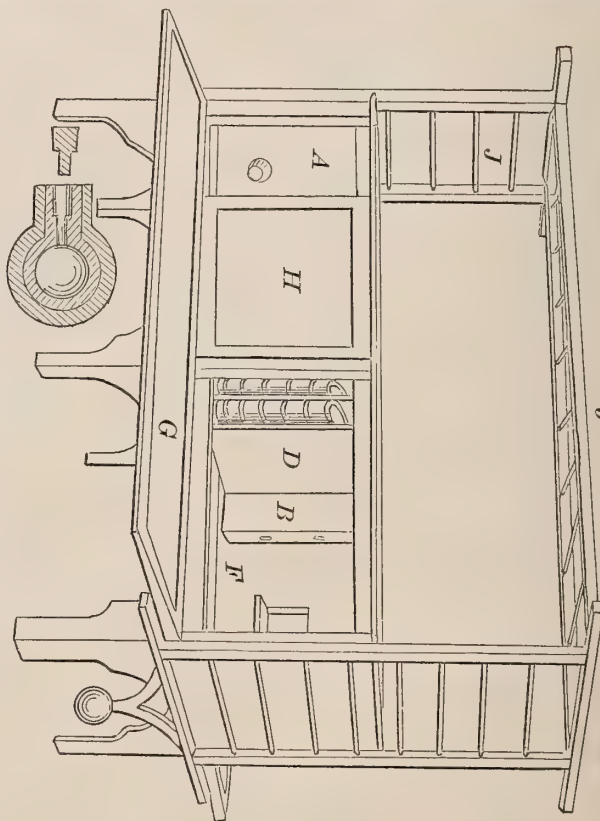
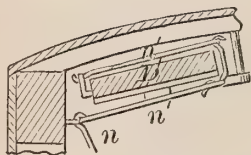
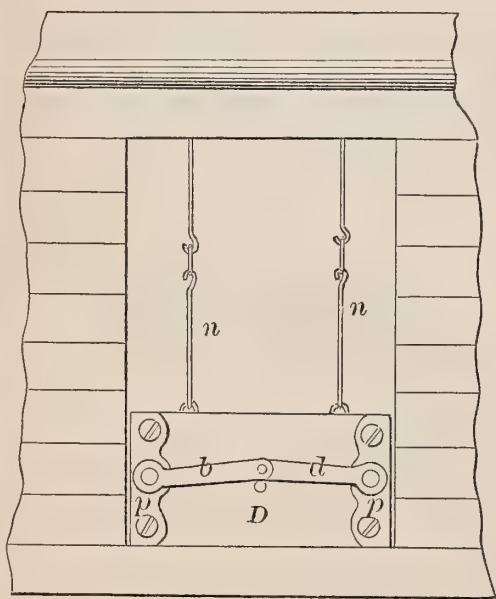
62970—Parker, Hall &amp; Pierce—Horse Hay Fork.



62971—L. Repp—Cultivator.

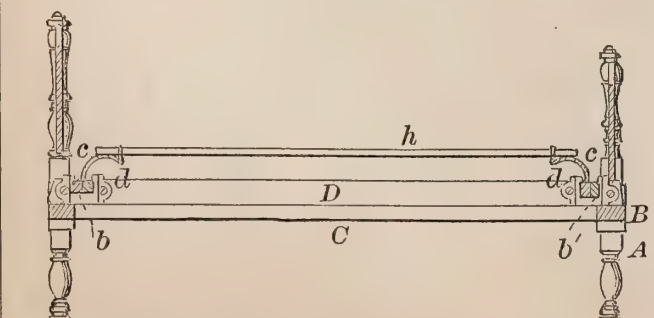


62972—G. B. Rich—Door for Grain Cars.

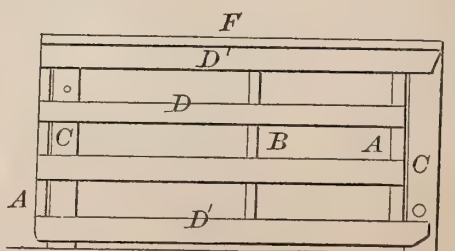


62974—Sherwood &amp; Fitzgerald—Safe.

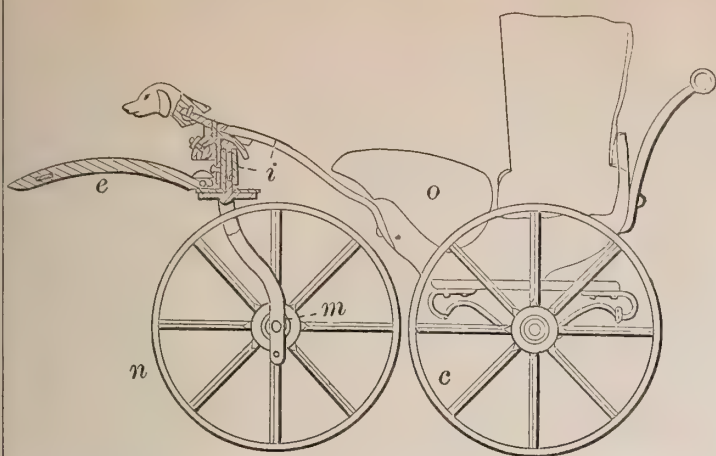
62973—Rickard &amp; Cook—Bed Bottom.



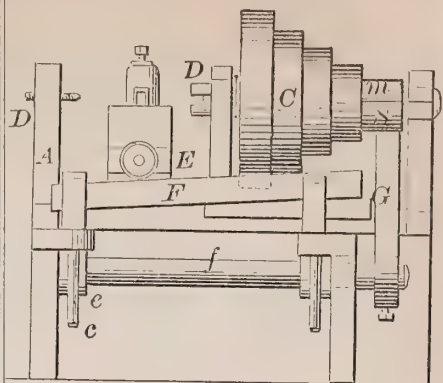
62975—A. D. Smith—Farm Gate.



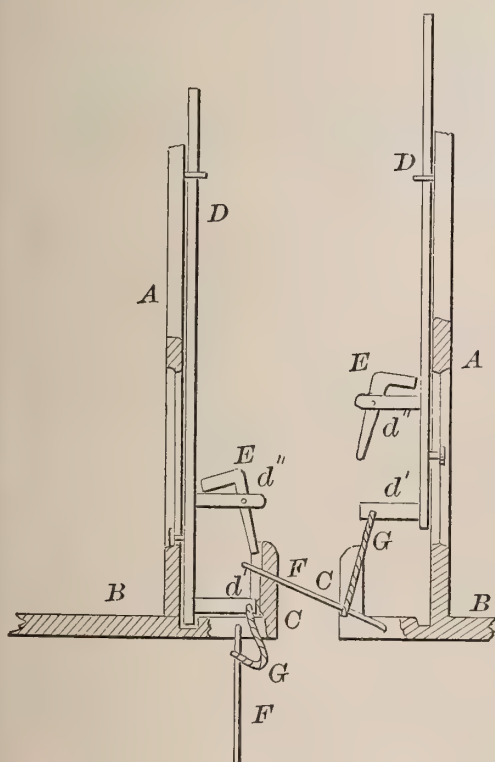
**62976**—C. & A. Spring—*Children's Carriage.*



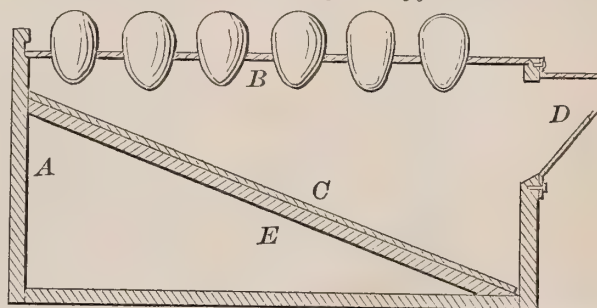
**62977**—W. X. Stevens—*Lathe for Chasing Taps.*



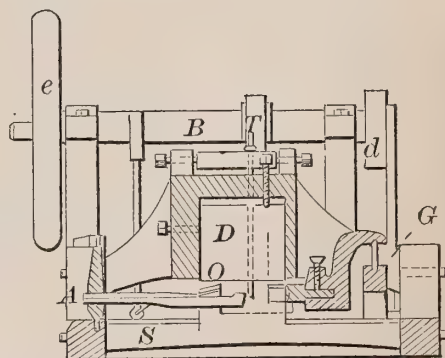
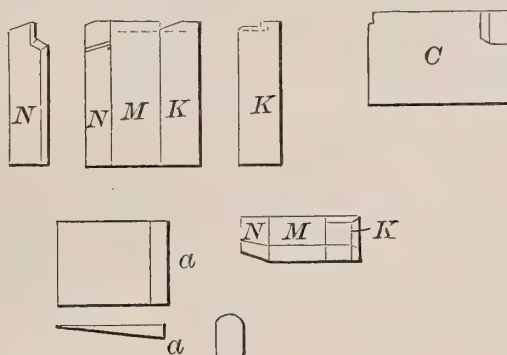
62978—I. W. Stuart, Jr.—*Car Coupling.*



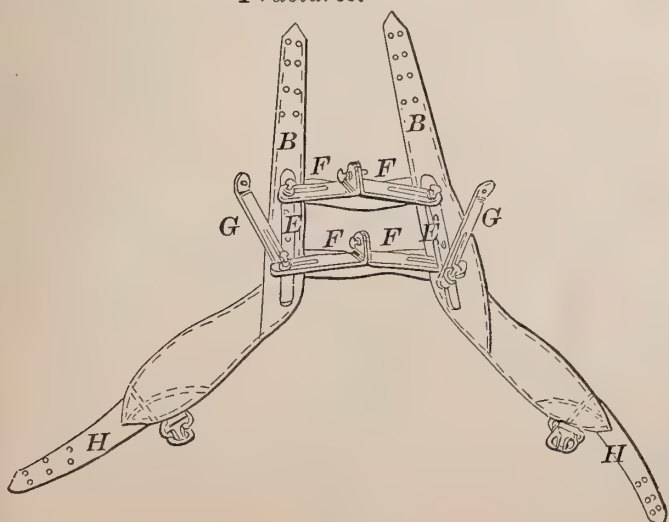
**62979—Summers & Nye—*Egg Detector.***



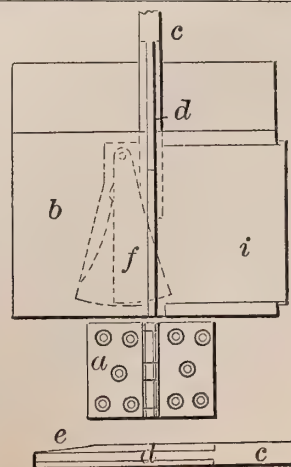
**62980**—E. Thomas—*Horse Shoe Nail Machine.*



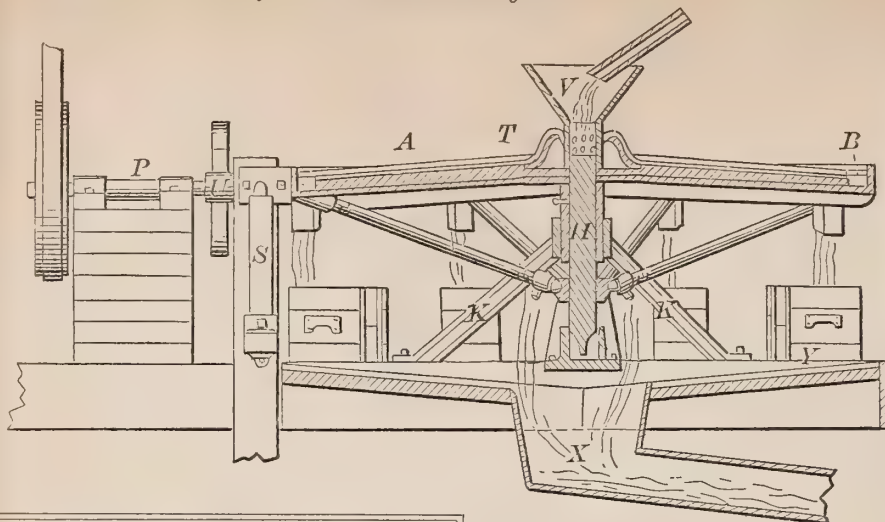
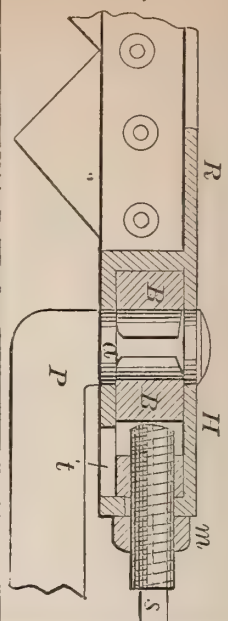
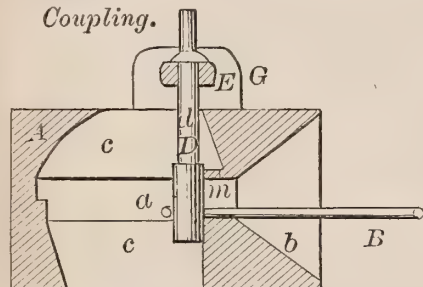
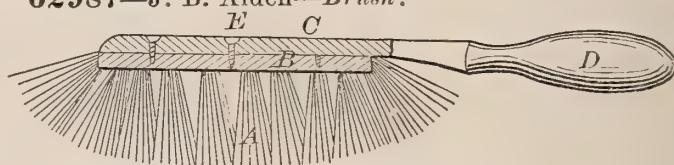
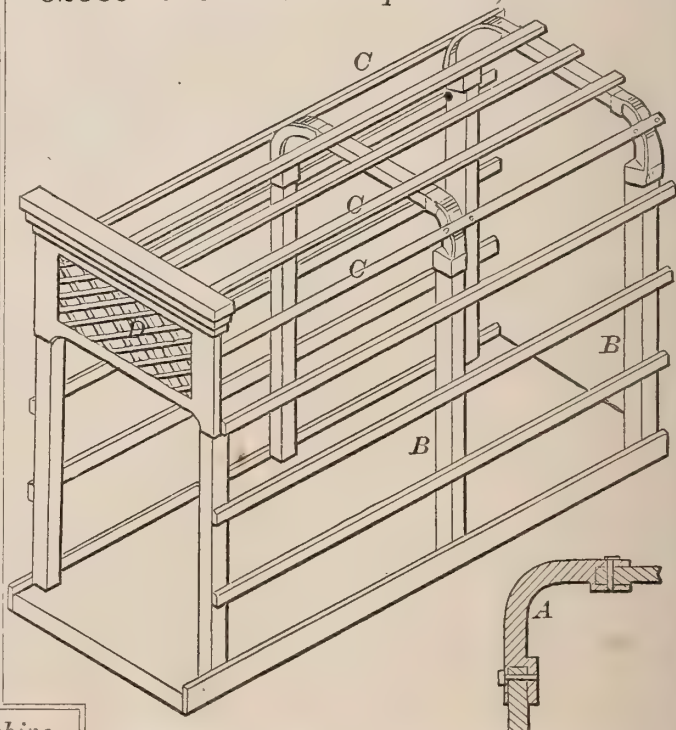
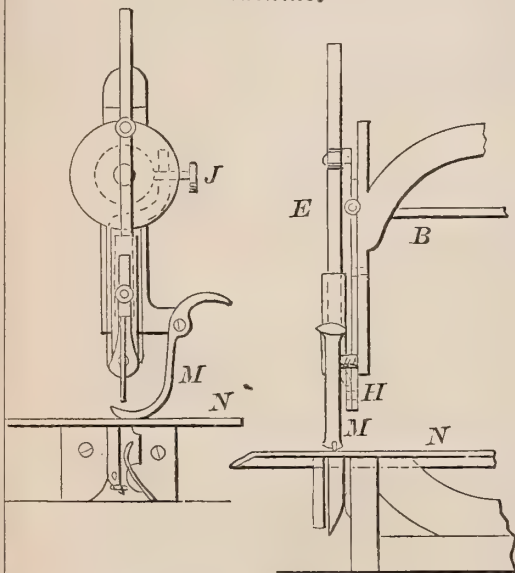
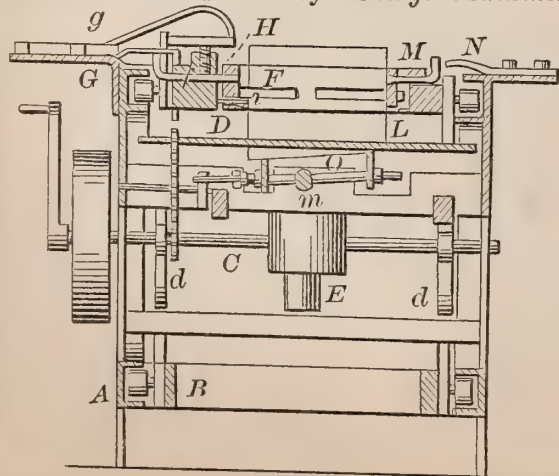
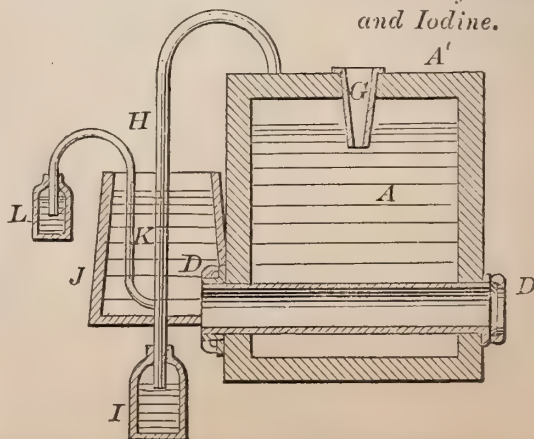
**62982**—S. B. Tucker—*Instrument for Supporting Fractures.*



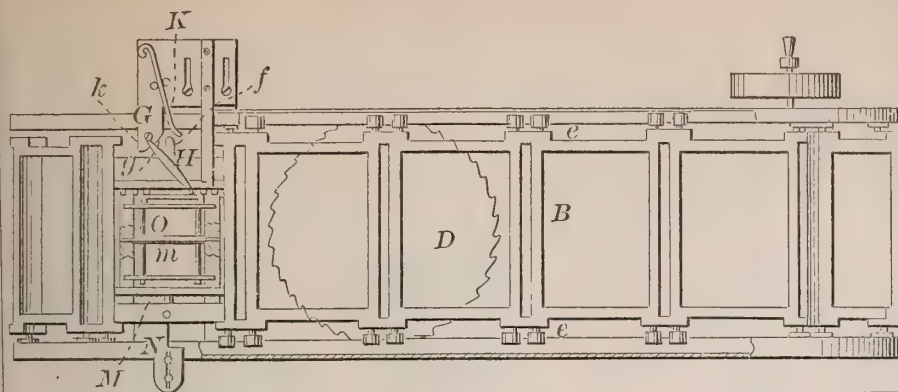
62981—T. Tracy—Butt Machine.



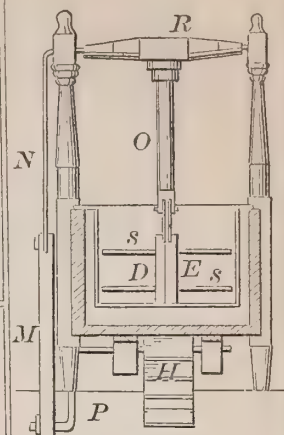


**62983**—T. Varney—*For Concentrating Ores.***62985**—T. Welch—*Harvester Cutter Bar.***62984**—W. Y. Warner—*Car Coupling.***62987**—J. B. Alden—*Brush.***62989**—J. O. Altick—*Grape Arbor, &c.***62986**—H. F. Willson—*Sewing Machine.***62990**—S. E. Anthoney—*Shingle Machine.***62988**—D. Alter—*Distillation of Bromine and Iodine.*

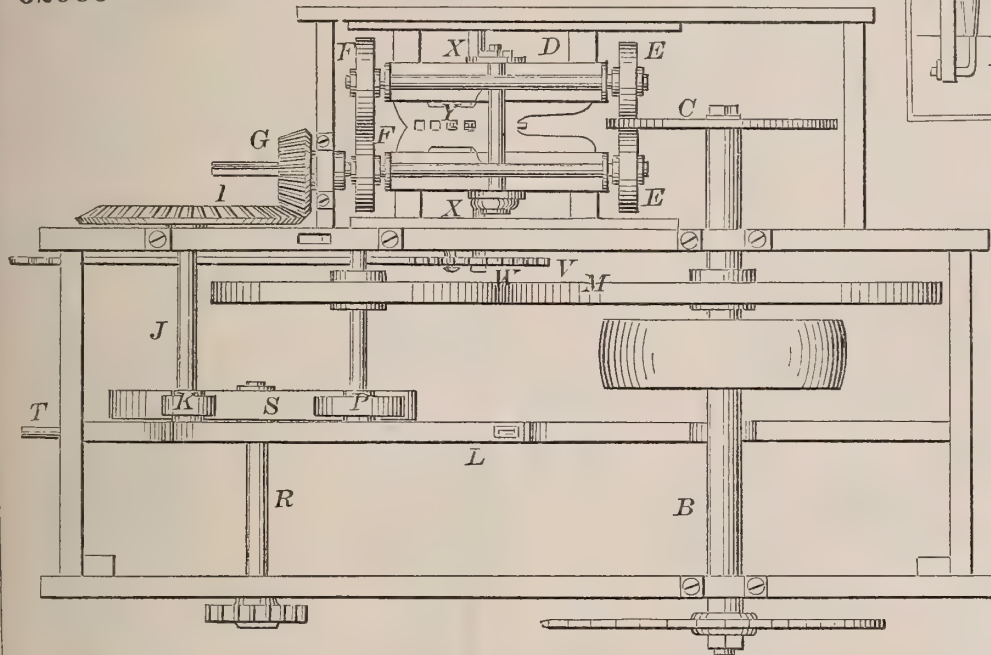
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62991—  
G. Austin—  
Cheese Vat.



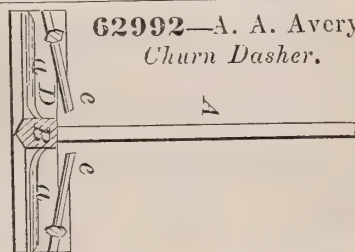
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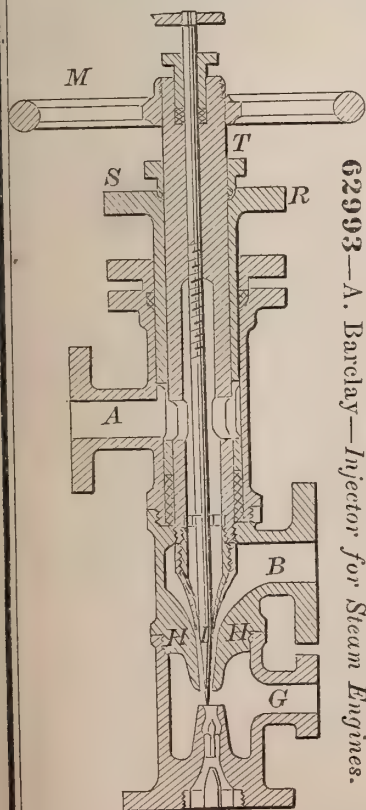
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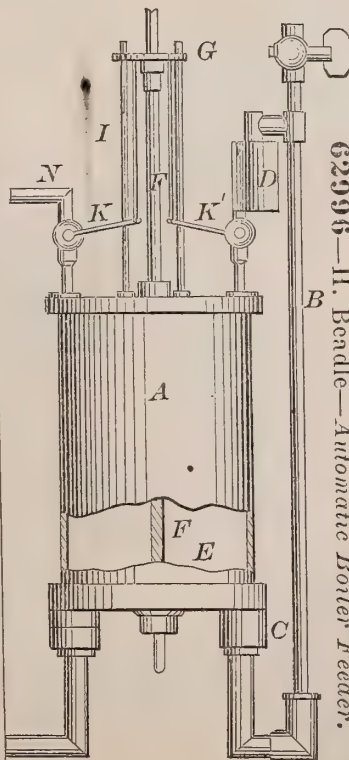
62992—A. A. Avery—  
Churn Dasher.



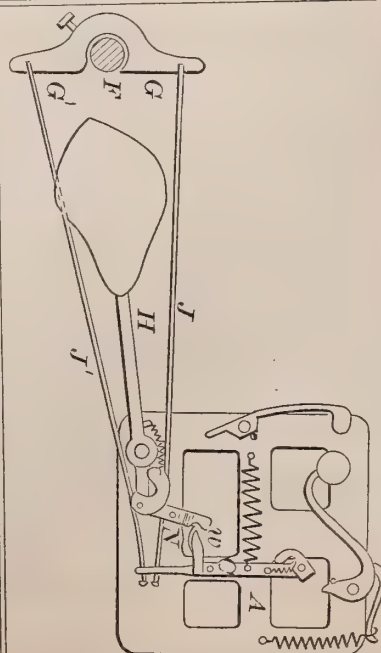
62993—A. Barclay—Injector for Steam Engines.



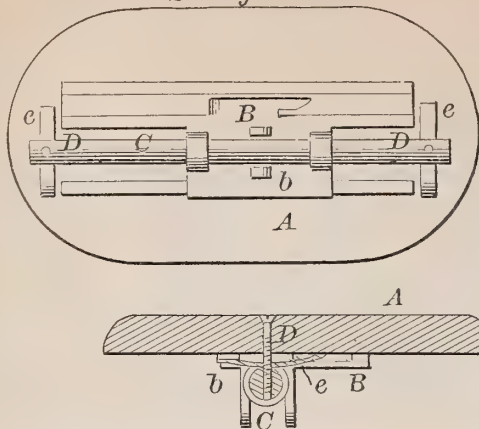
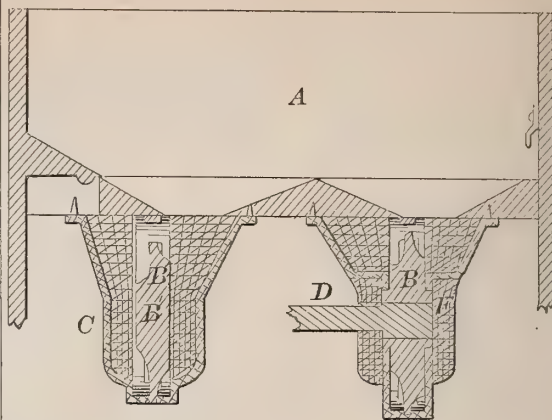
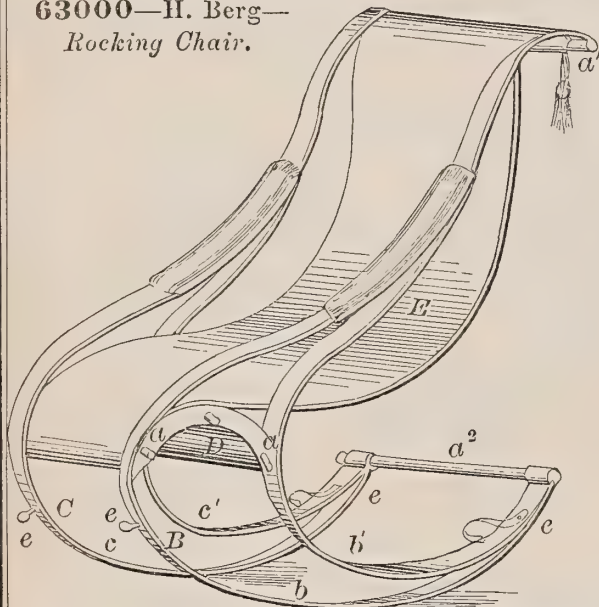
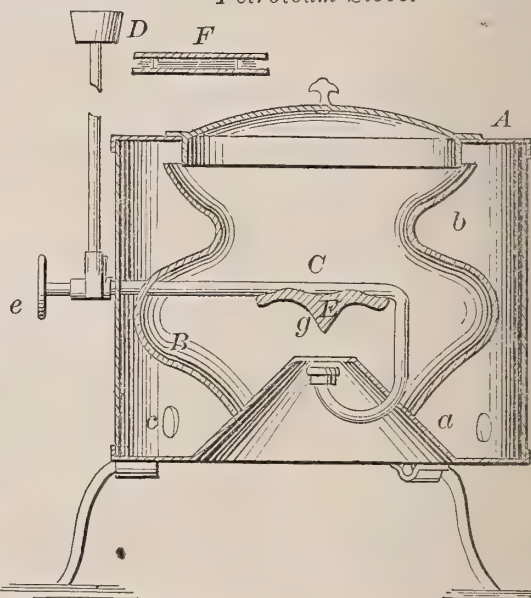
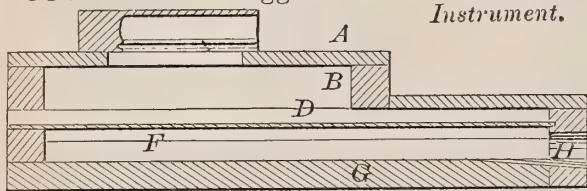
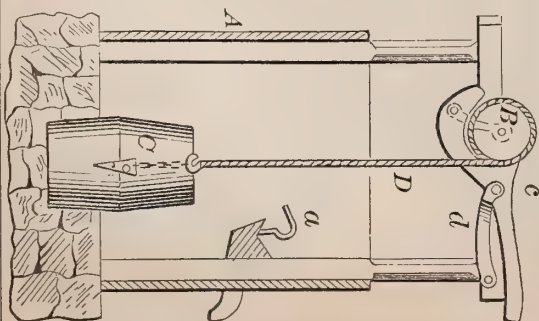
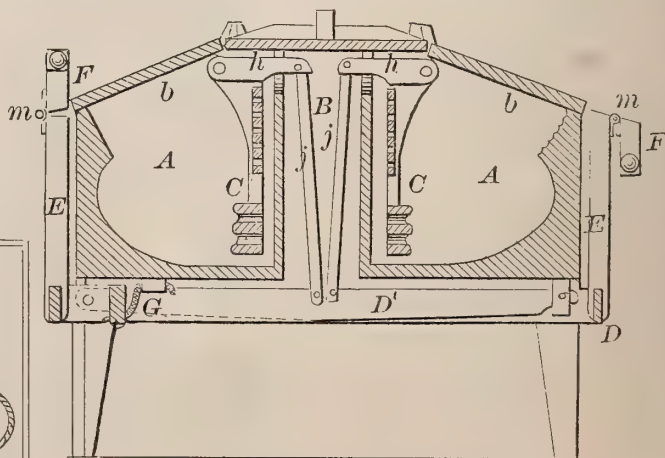
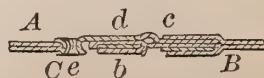
62996—H. Beadle—Automatic Boiler Feeder.



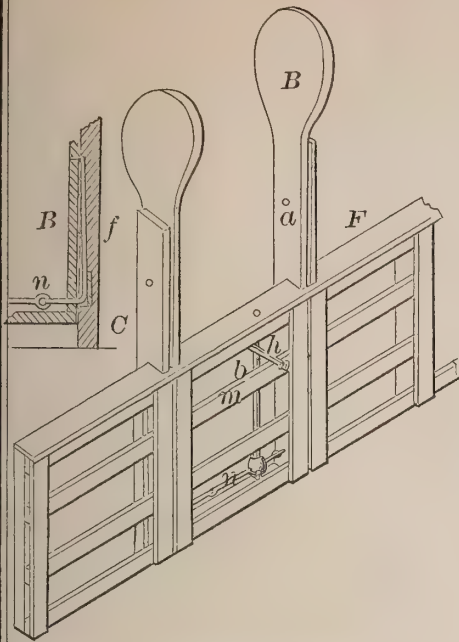
62998—H. Behn—Burglar Alarm.



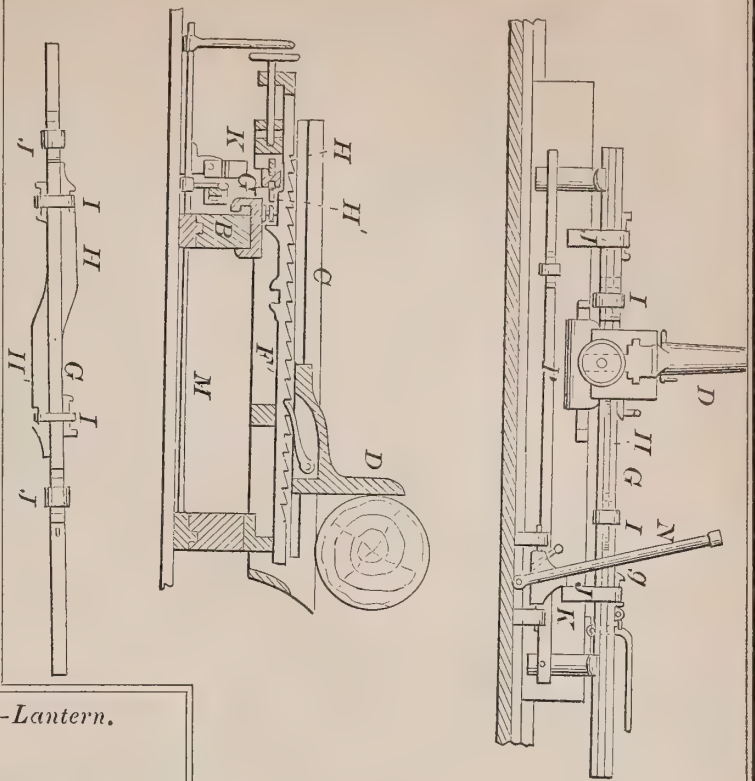


**62999**—W. Bennett—*Shuttle Carrier for Sewing Machines.***63001**—L. Bickford—*Grain Drill.***63000**—H. Berg—*Rocking Chair.***63004**—A. T. Boon—*Gas Heater and Petroleum Stove.***63006**—J. C. Briggs—*Reed Musical Instrument.***63002**—C. F. Blakslee—*Carpet Bag.***63007**—R. Brown—*Water Elevator.***63003**—A. Blood, Sr.—*Washing Machine.***63005**—J. Bowers—*Corset Fastening.*

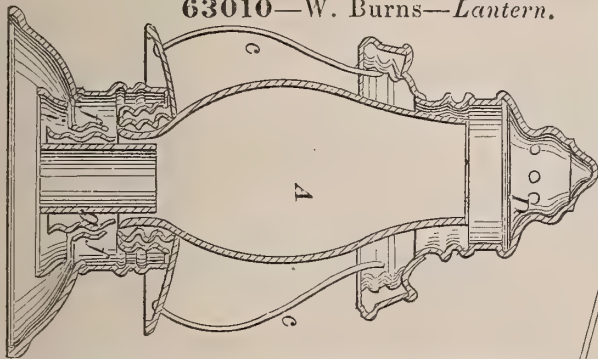
63008—T. I. Burhyte—*Gate.*



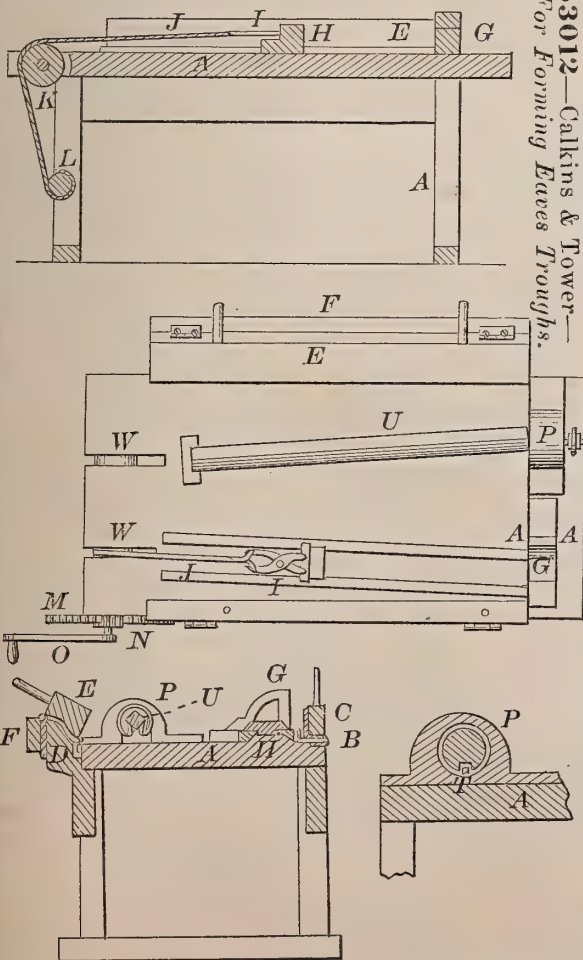
63009—Burket & Gaskill—*Head Block for Saw Mills.*



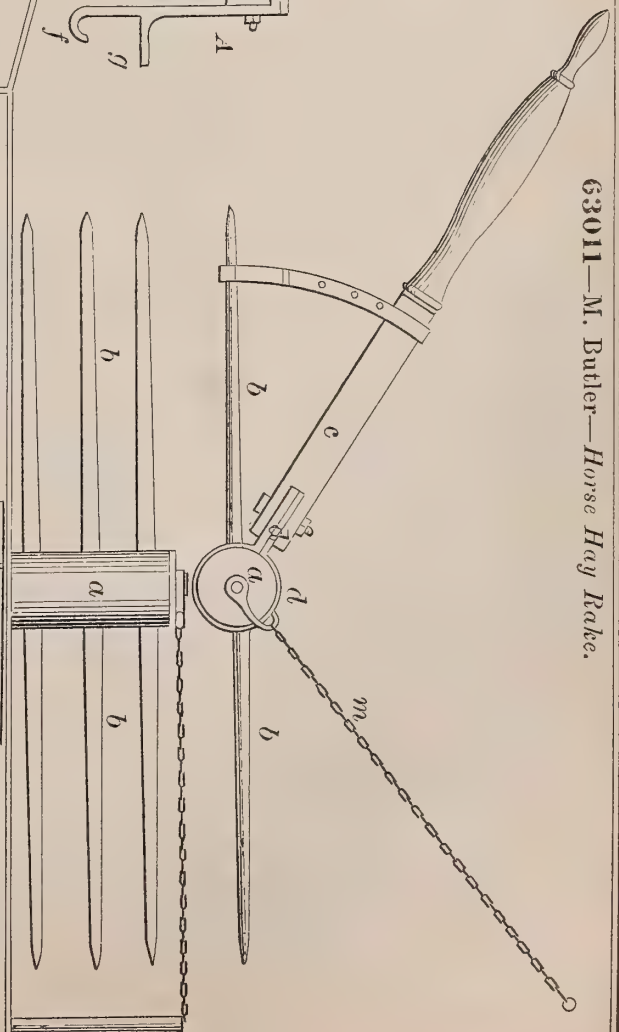
63010—W. Burns—*Lantern.*



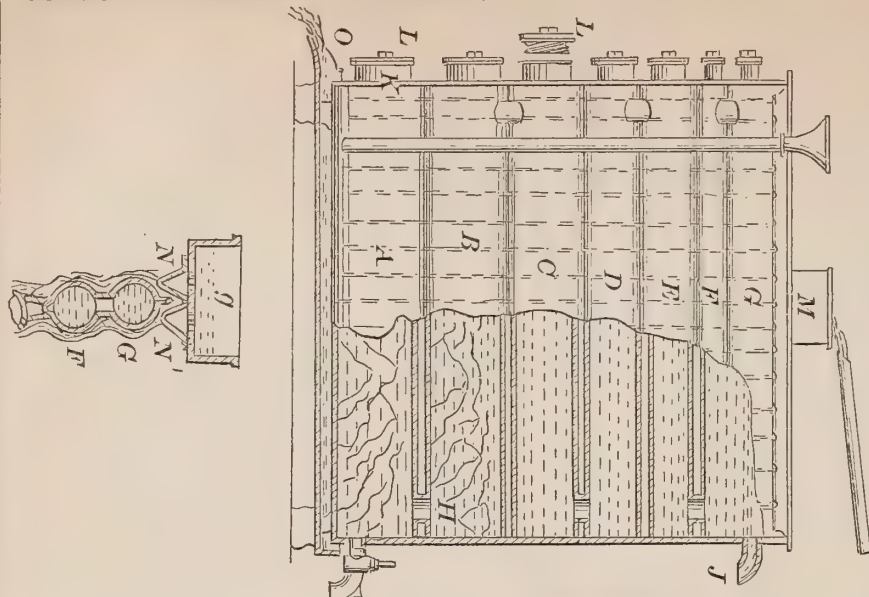
63012—Calkins & Tower—*For Forming Eaves Troughs.*



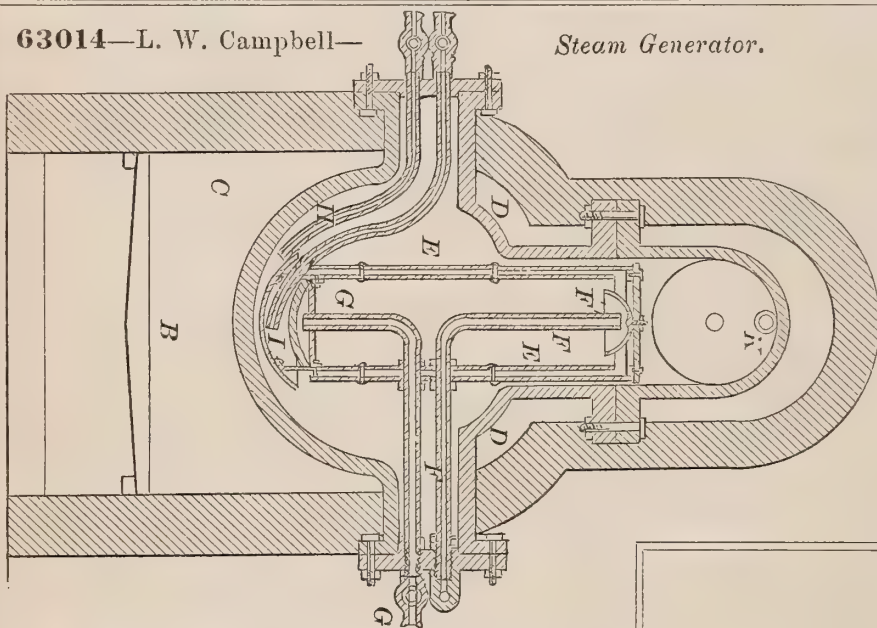
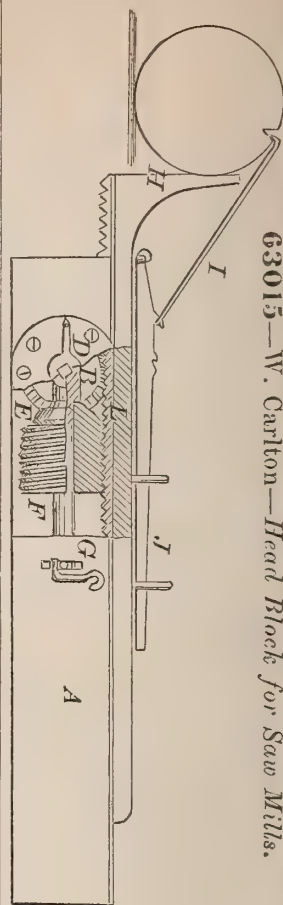
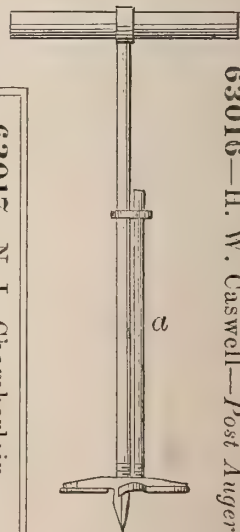
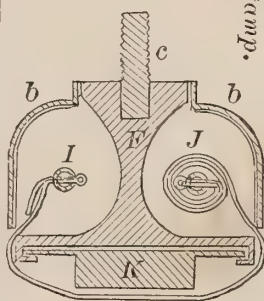
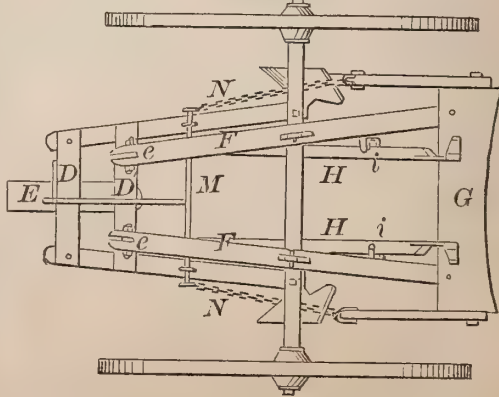
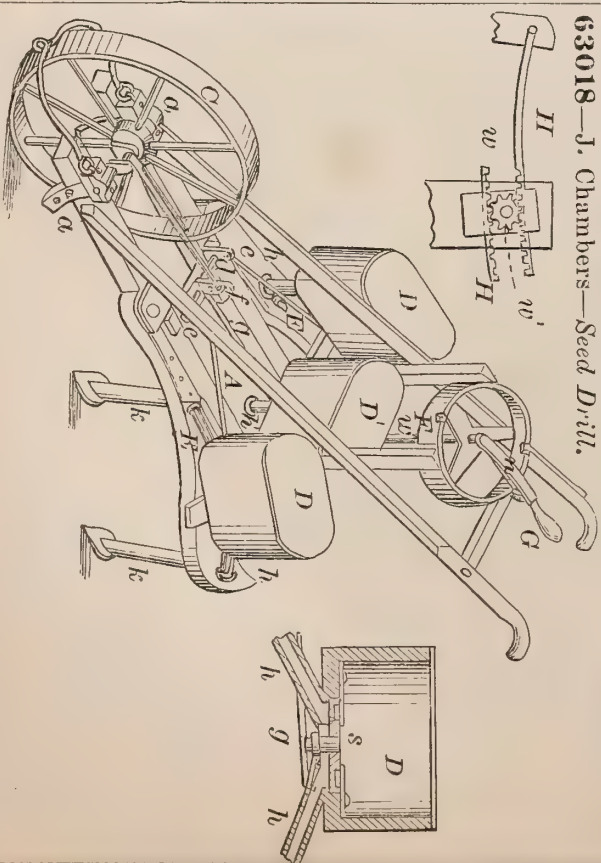
63011—M. Butler—*Horse Hay Rake.*



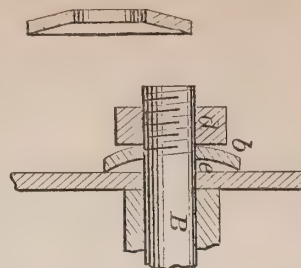
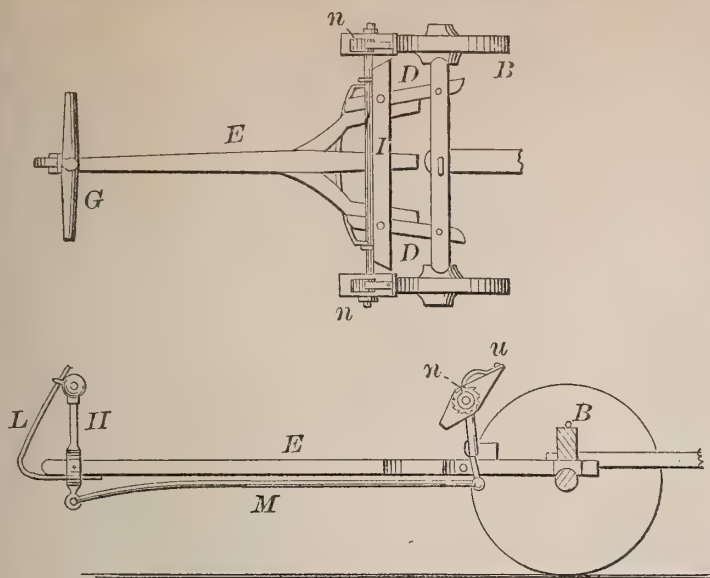


63013—D. Cammerer—*Beer Cooler.*

63014—L. W. Campbell—

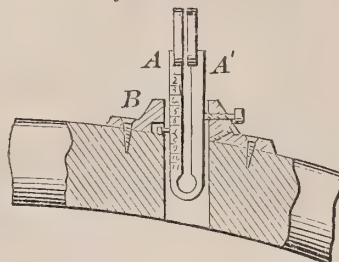
*Steam Generator.*63015—W. Carlton—*Head Block for Saw Mills.*63016—H. W. Caswell—*Post Auger.*63017—N. L. Chamberlain—*Hand Stamp.*63019—I. H. Chappell—*Planter and Cultivator.*63018—J. Chambers—*Seed Drill.*

63020—Coddington & Pringle—Wagon Brake.

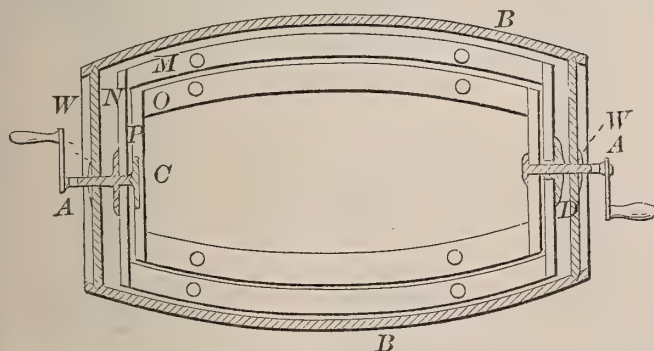


63021—J. G. Collins—Washer for Socket Bolts in Steam Boilers.

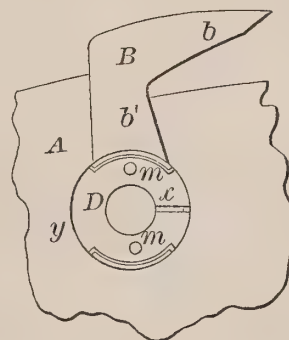
63022—W. Conner—Back Sight for Fire Arms.



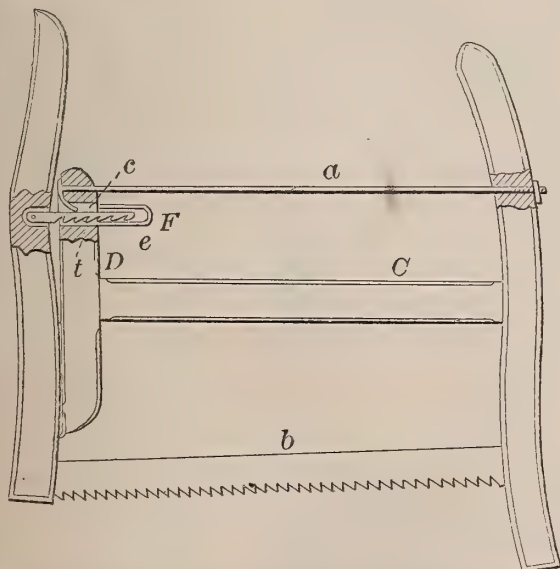
63023—J. J. Davelin—Churn.



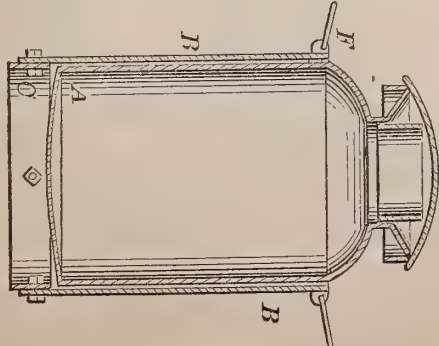
63024—C. Disston—Saw.



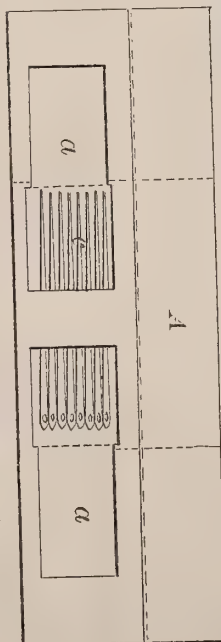
63025—H. Disston—Buck Saw Frame.



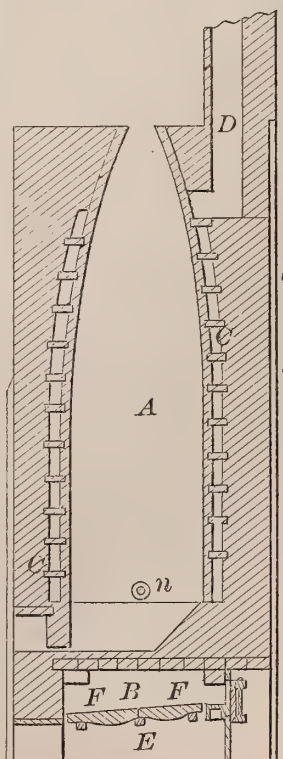
63029—J. L. Finch—Milk Can.



63028—D. Evans—Needle Wrapper.

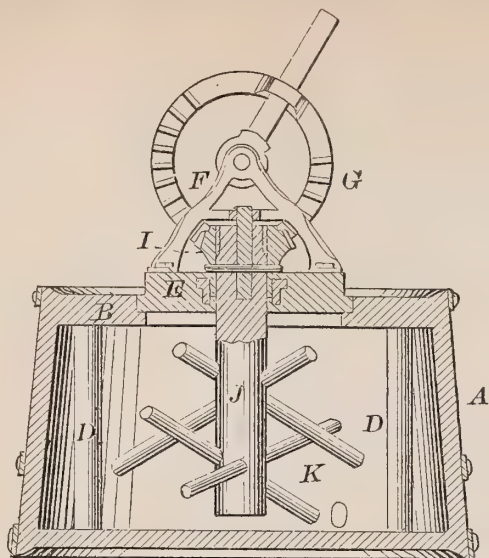


63026—W. Elmer—Separating Metals.

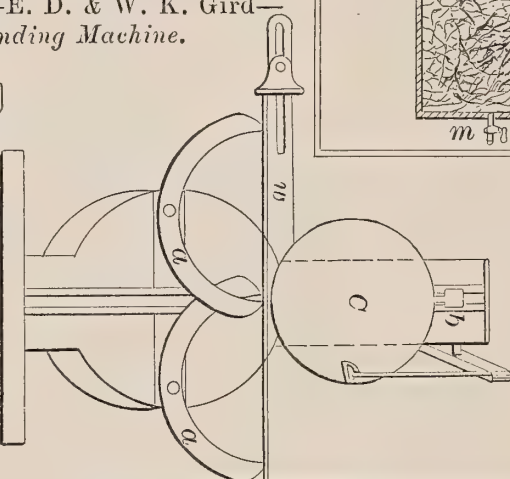
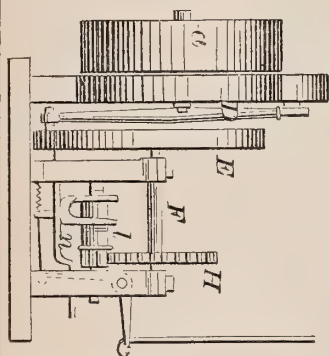
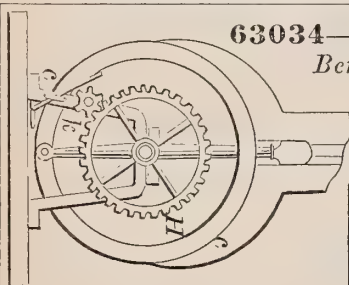
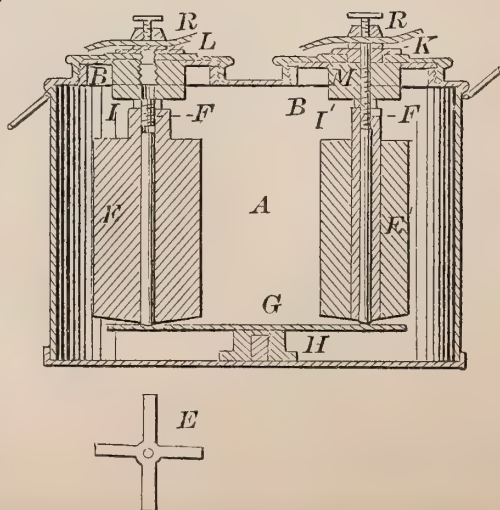
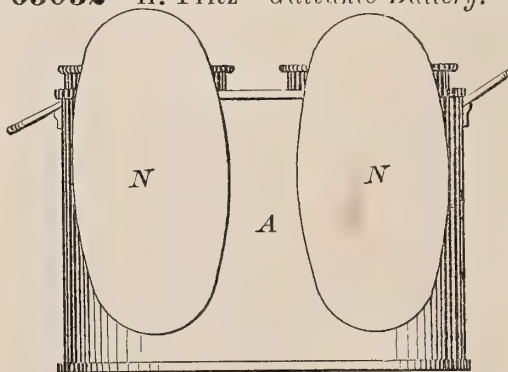




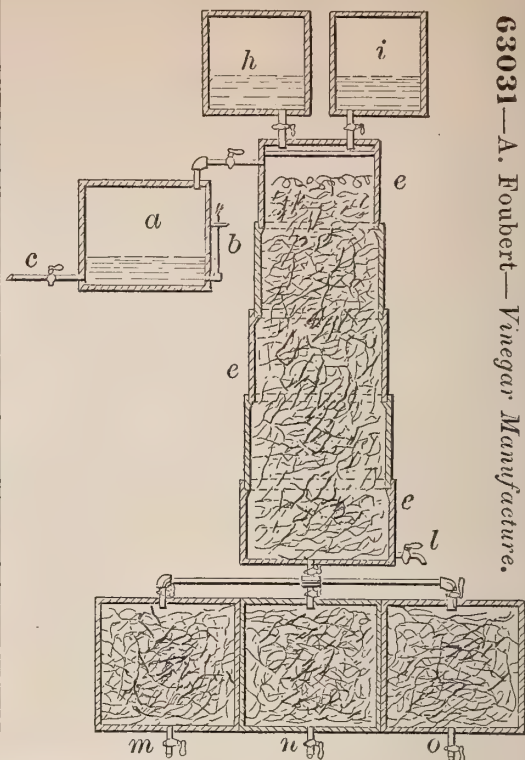
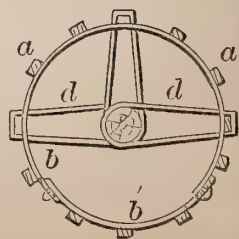
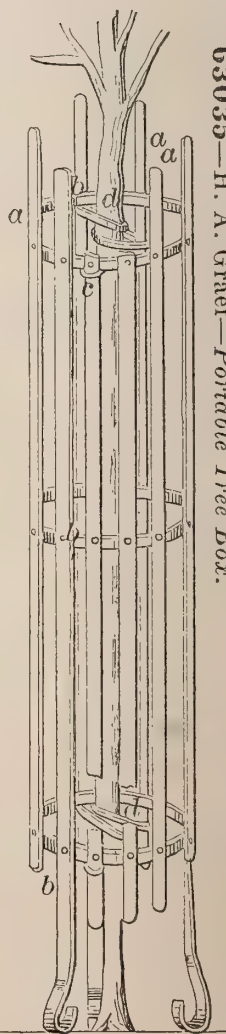
63030—H. S. Forney—*Washing Machine.*



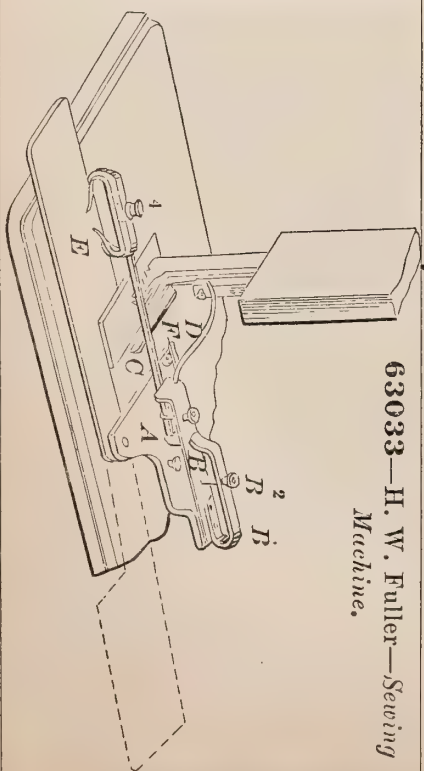
**63034**—E. D. & W. K. Gird—  
*Bending Machine.*

63032—H. Fritz—*Galvanic Battery.*

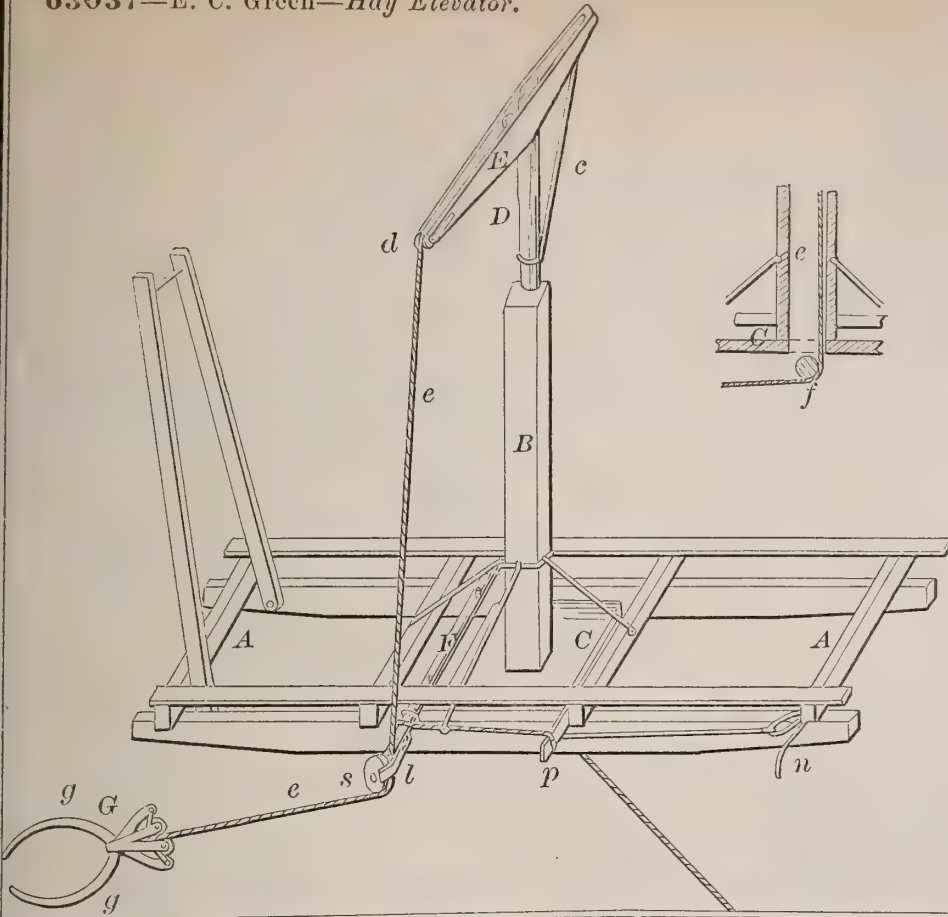
63031—A. Foubert—*Vinegar Manufacture.*

63035—H. A. Graef—*Portable Tree Box.*

**63033—H. W. Fuller—Sewing Machine.**



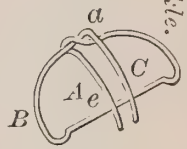
63037—E. C. Green—*Hay Elevator.*



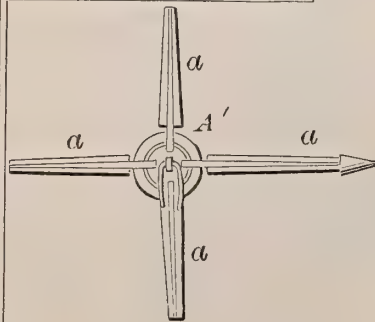
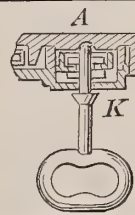
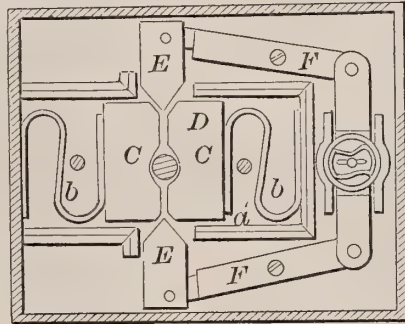
63039—T. Hall—*Connecting Rod for Machinery.*



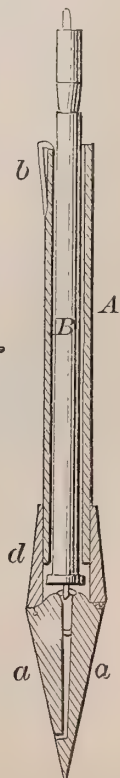
63040—E. Lamburjer—*Buckle.*



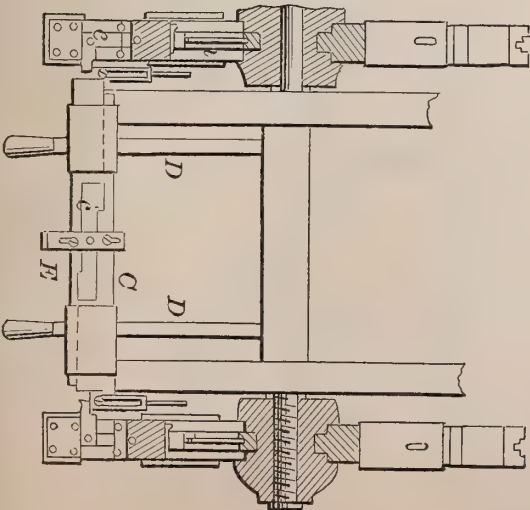
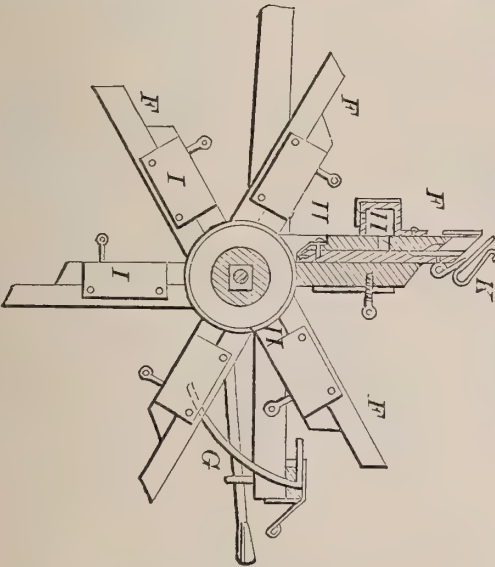
63041—W. J. Hare—*Trunk Lock.*



63042—O. J. Hardgrove—*Horse Hay Fork.*

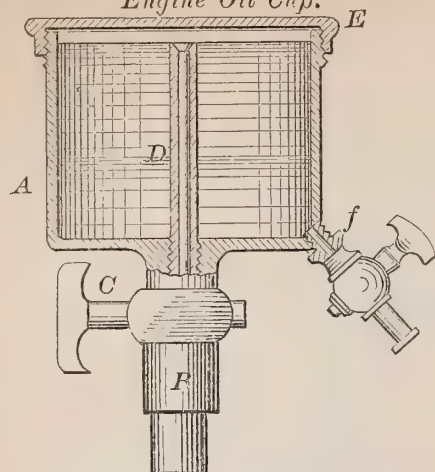


63038—J. D. Green—*Seed Planter.*

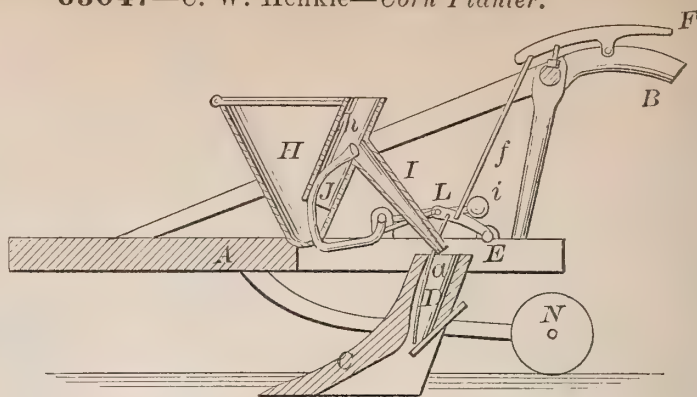




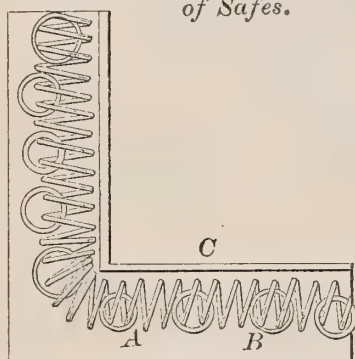
**63045**—M. Hawkins—*Steam Engine Oil Cup.*



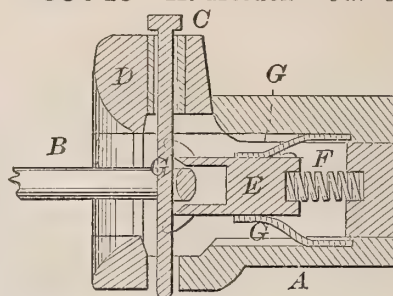
**63047**—C. W. Henkle—*Corn Planter.*



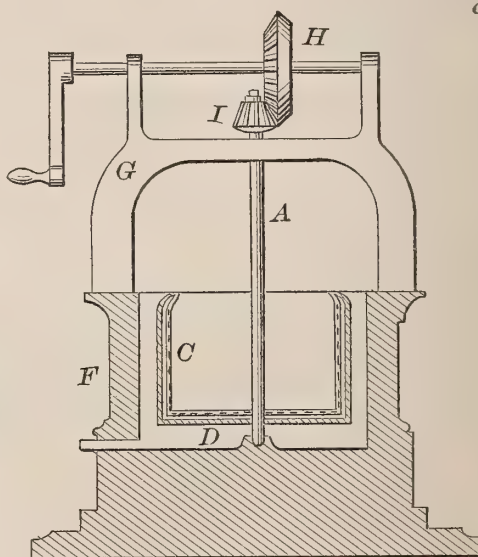
**63046**—E. M. Hendrickson—*Construction of Safes.*



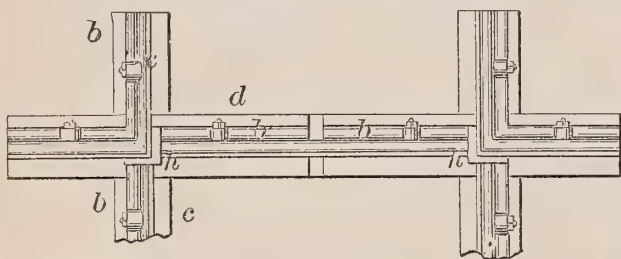
**63049**—H. Holden—*Car Coupling.*



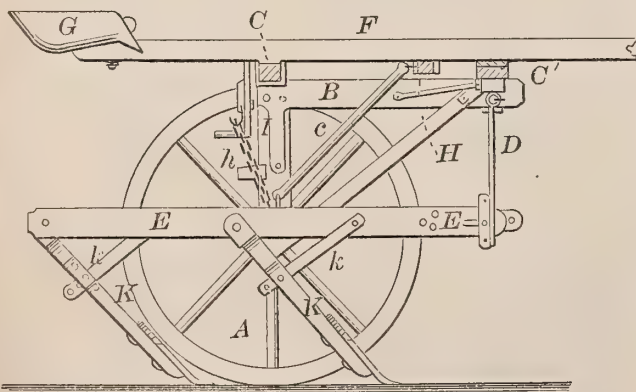
**63051**—F. Huot—*Refining Petroleum, &c.*



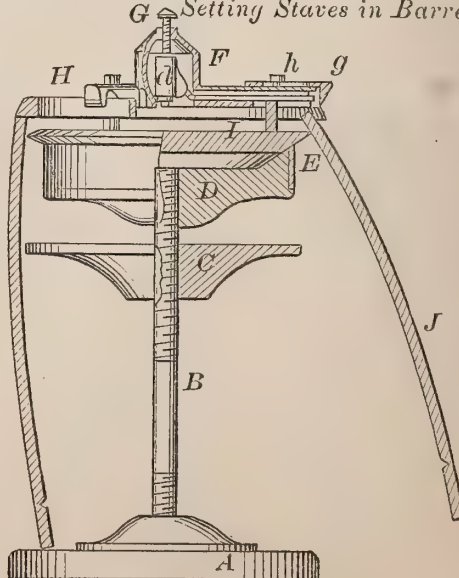
**63048**—E. Hiserodtt—*Railroad Crossing.*



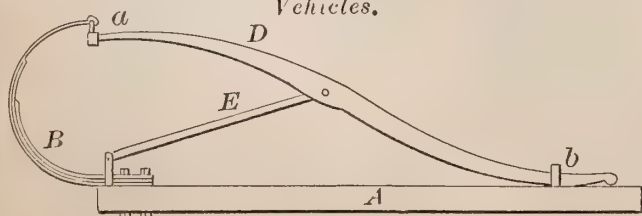
**63050**—H. Howe—*Cultivator.*



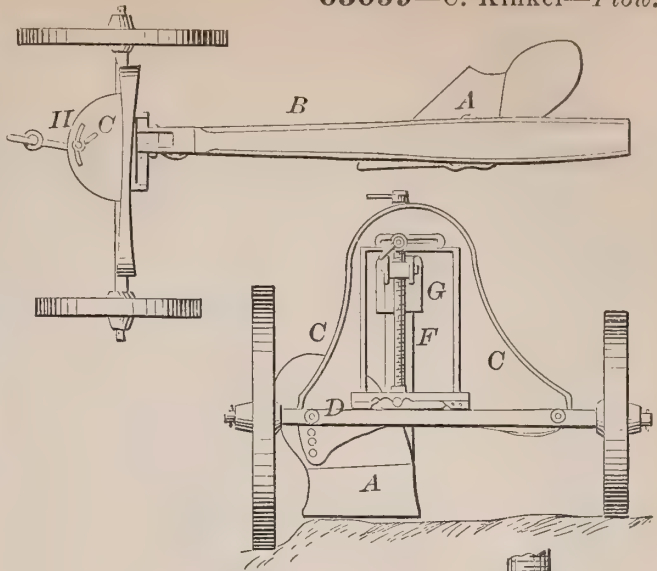
**63052**—C. B. Hutchinson—*For Setting Staves in Barrels.*



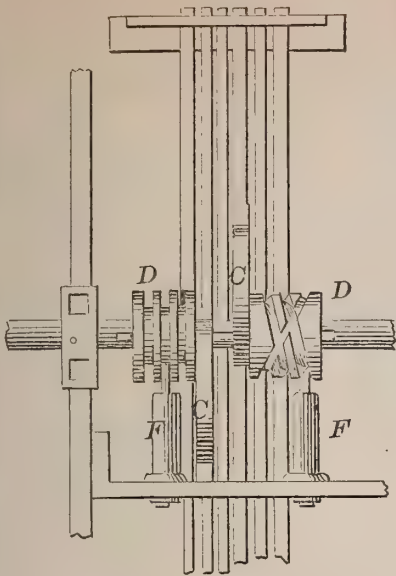
**63053**—S. Jackson—*Brace for Springs of Vehicles.*



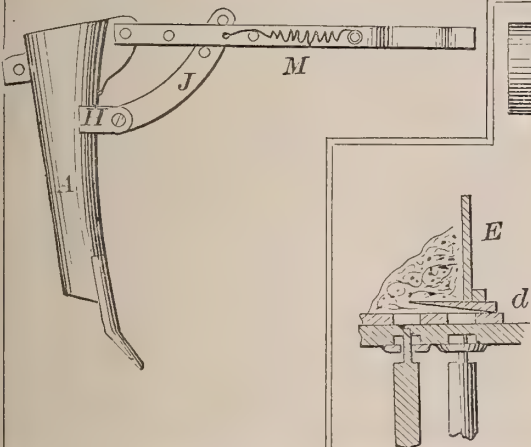
63059—C. Kinkel—*Plow*.



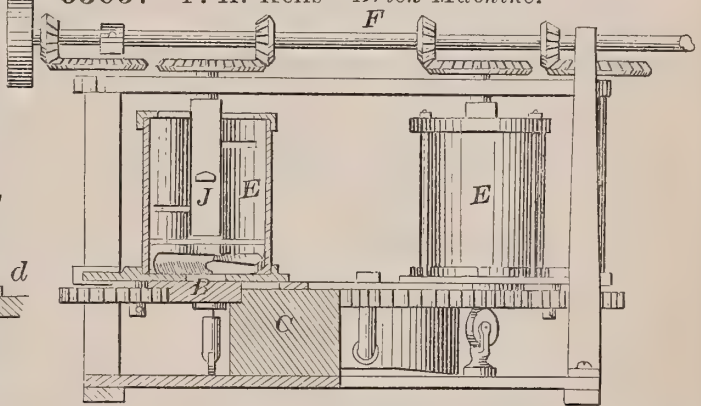
63055—B. H. Jenks—*Treadle Cam for Looms*.



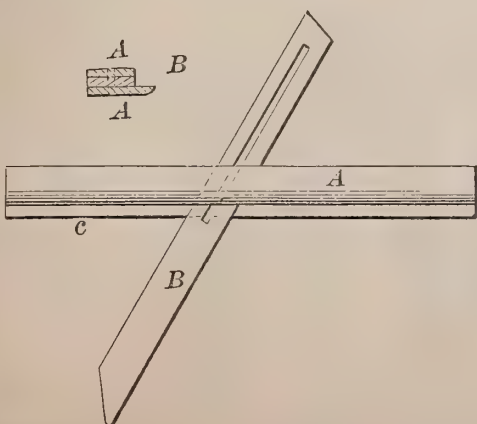
63056—S. Keeler—*Seed Drill Teeth*.



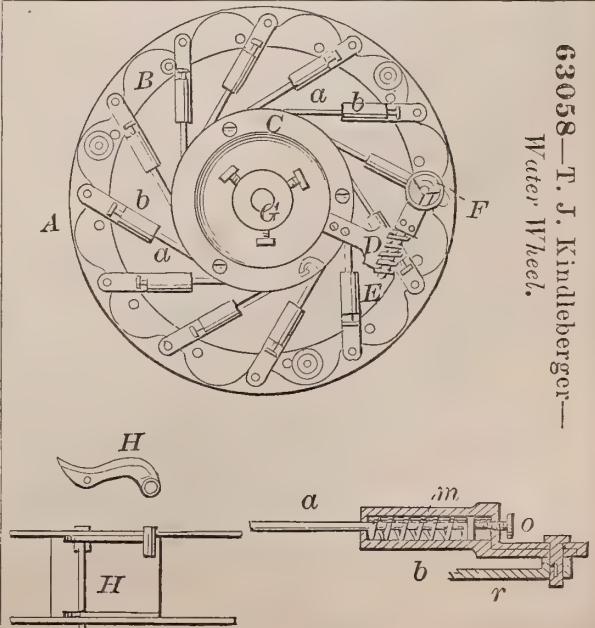
63057—P. H. Kells—*Brick Machine*.



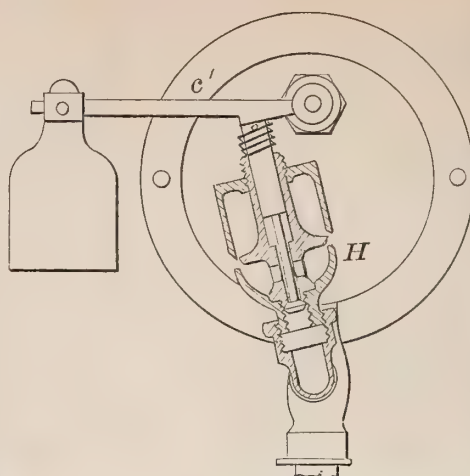
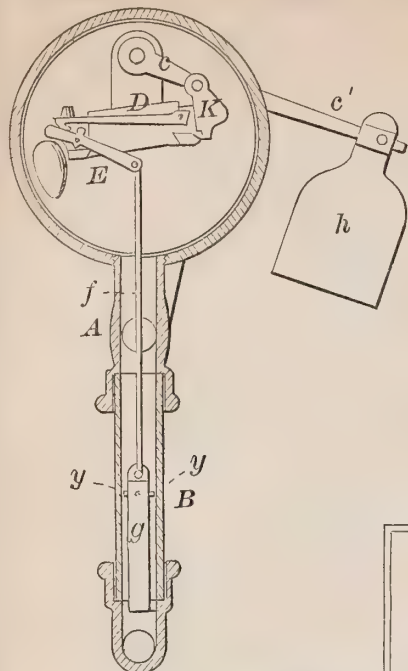
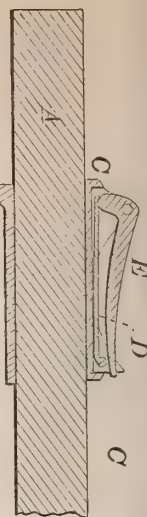
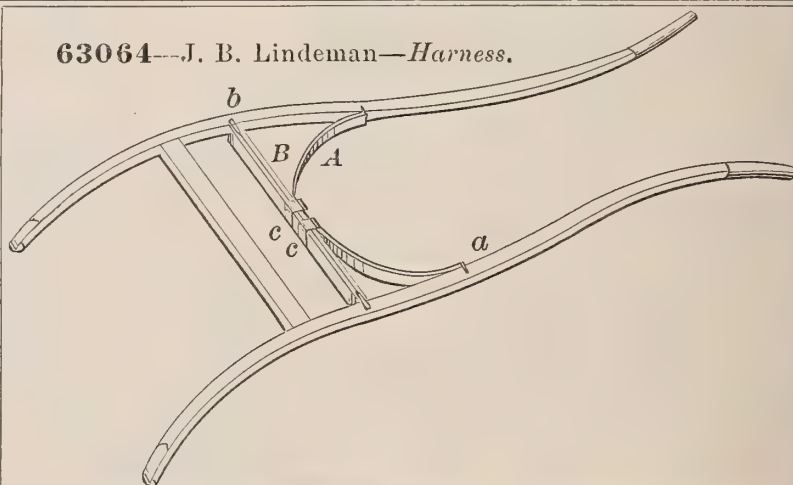
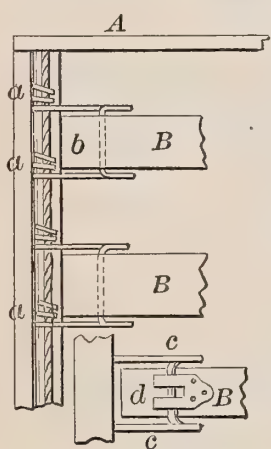
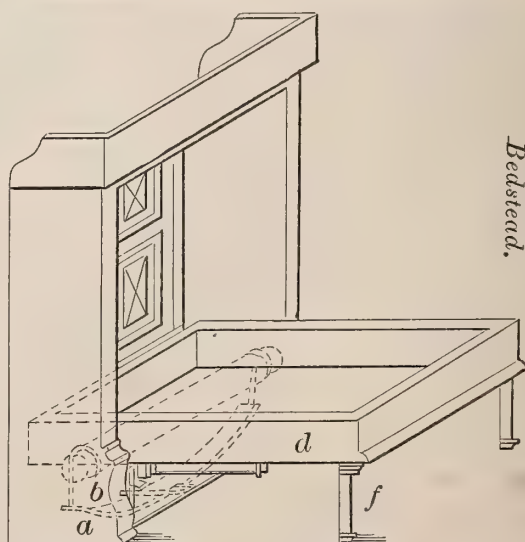
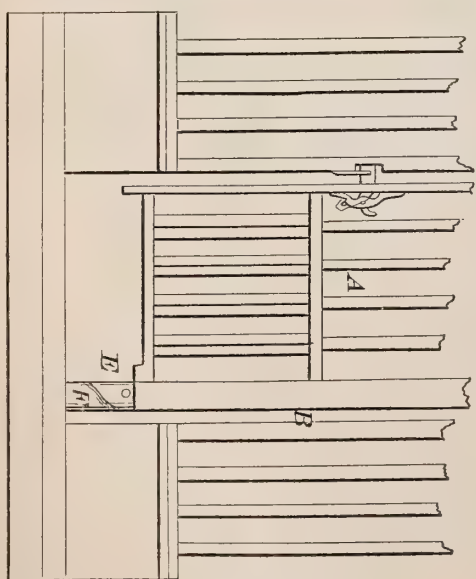
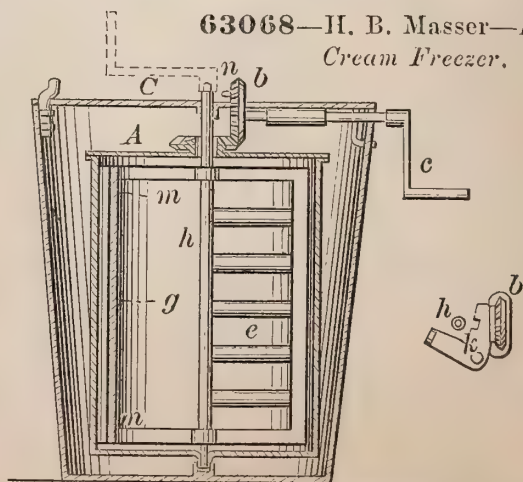
63060—A. O. Latham—*Book Keeper Ruler*.



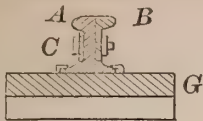
63058—T. J. Kindleberger—*Water Wheel*.



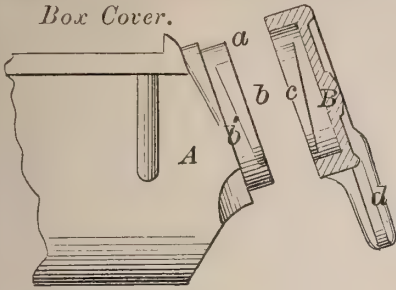


63061—W. H. Laubach—*Low Water Indicator.*63062—P. Lawyer—*Carpenter's Gauge.*63064—J. B. Lindeman—*Harness.*63066—D. Manuel—*Bed Bottom.*63065—S. C. Maine—*Wardrobe Bedstead.*63067—J. W. Martin—*Gate.*63068—H. B. Masser—*Ice Cream Freezer.*

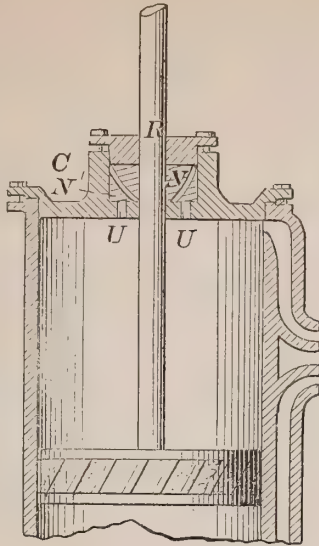
63069—A. S. McClure—  
*Railway Joint.*



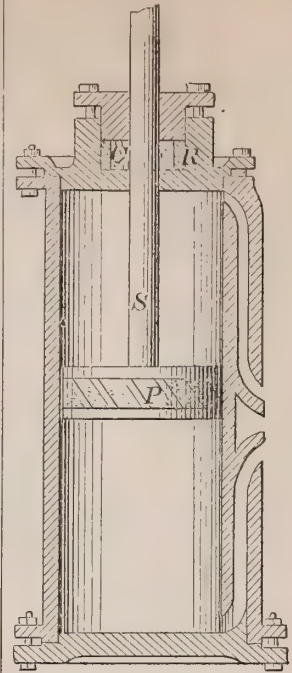
63070—R. McDowell—*Axle  
Box Cover.*



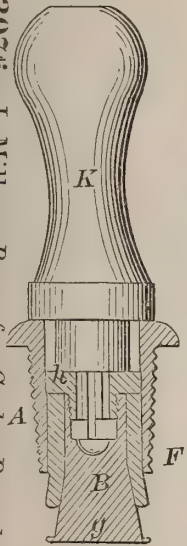
63072—J. P. McLean—*Piston Rod Packing.*



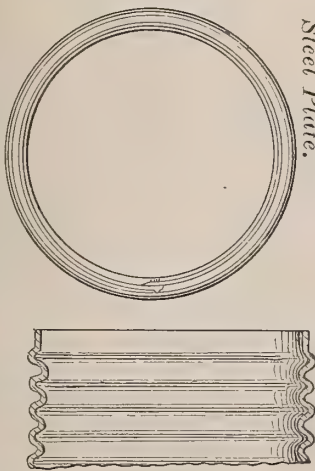
63071—J. P. McLean—*Piston Packing.*



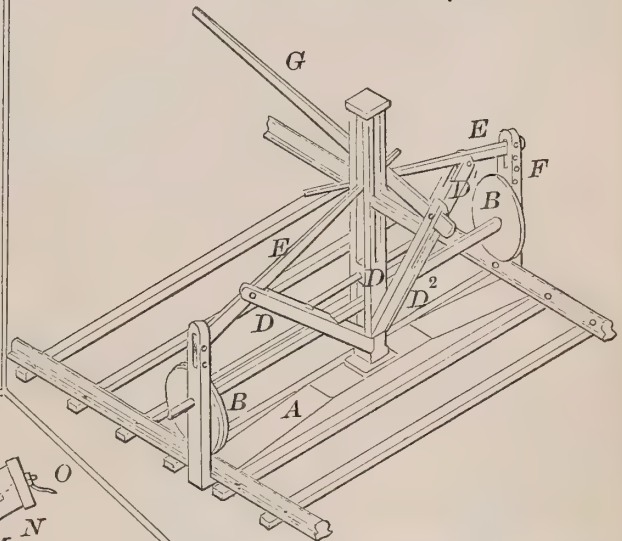
63076—J. Miller—*Bung for Casks, Barrels, &c.*



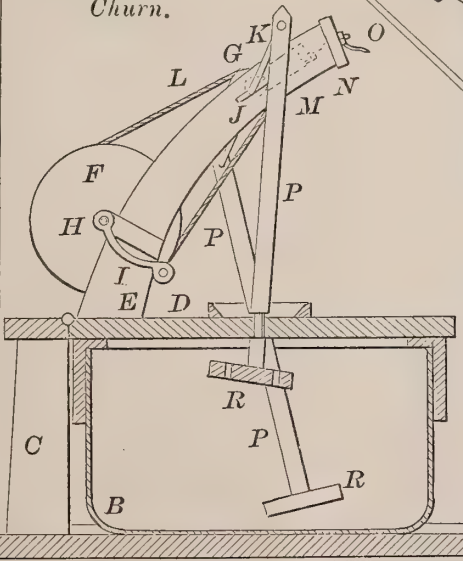
63077—R. Montgomery—*Corrugated  
Steel Plate.*



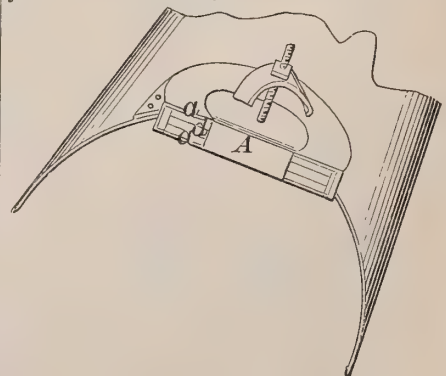
63078—J. Morton—*Track Lifter.*



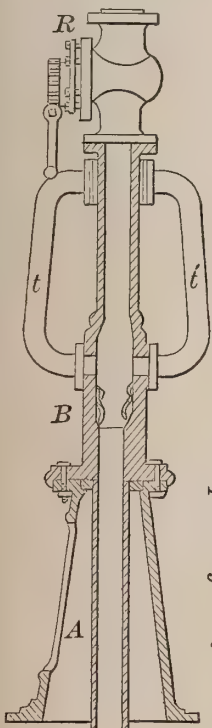
63074—J. Megown—*Churn.*



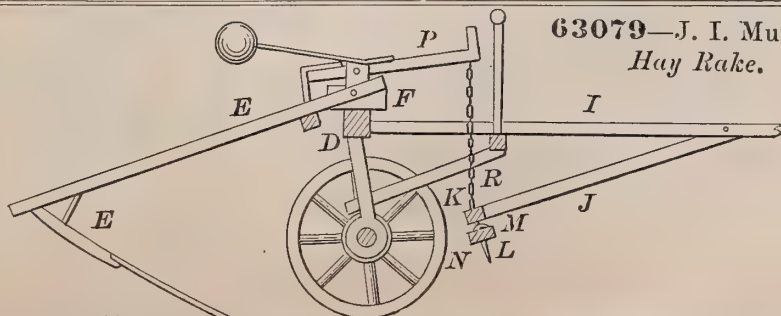
63073—J. P. McLean—*Packing  
for Man Holes of Steam Generators.*



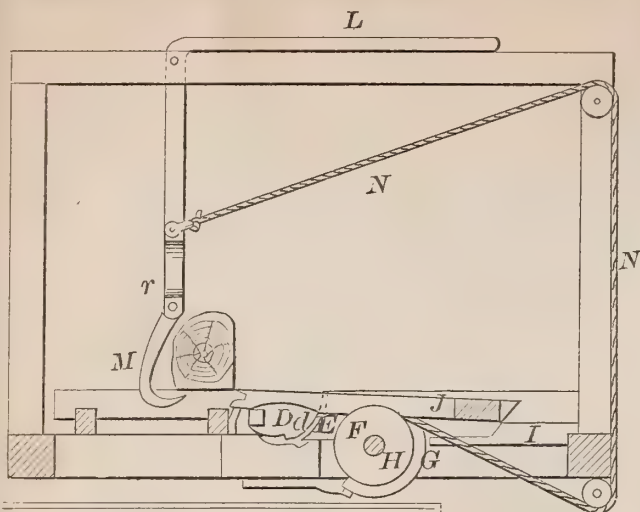
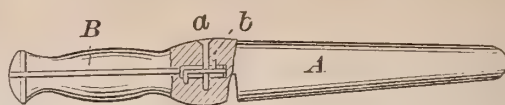
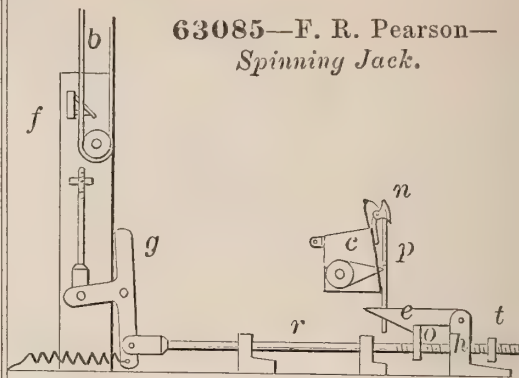
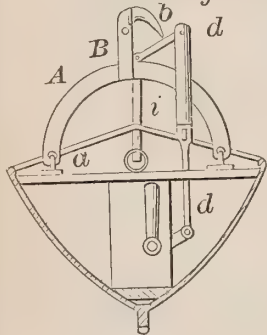
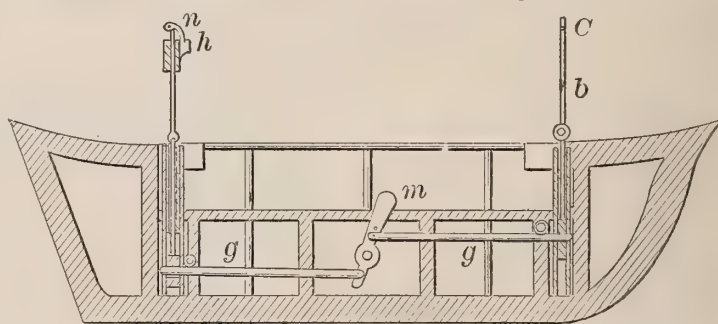
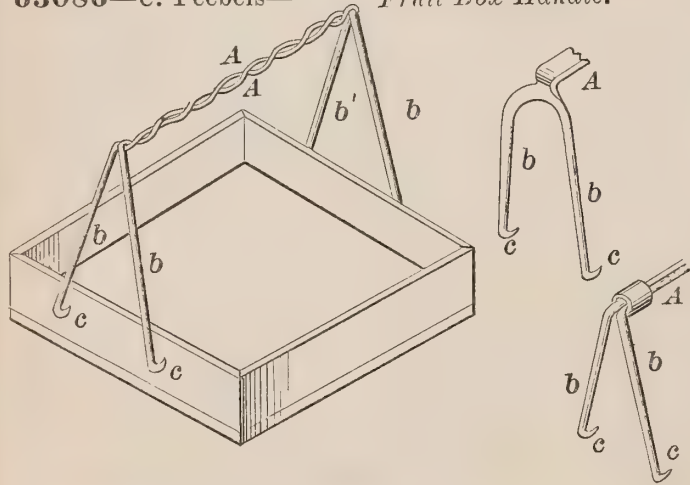
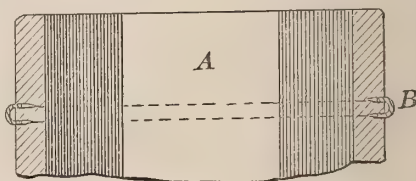
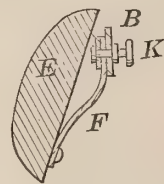
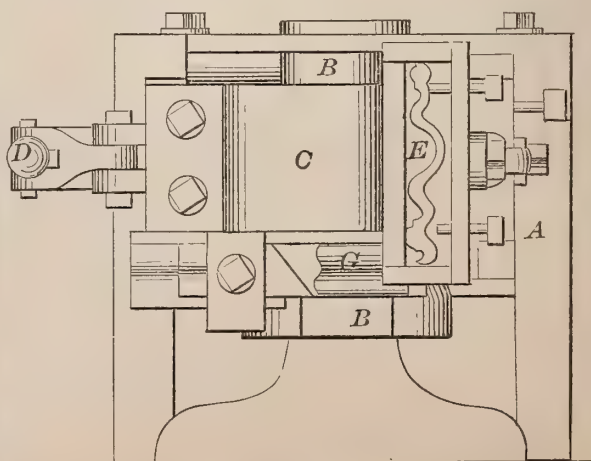
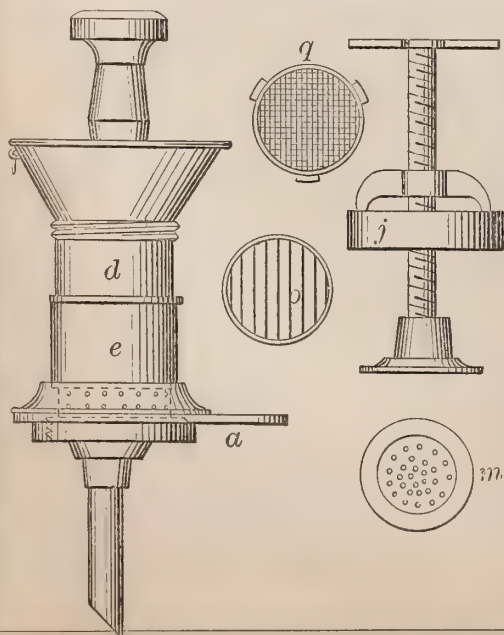
63075—Mignon & Rouart—*For Compressing Air.*



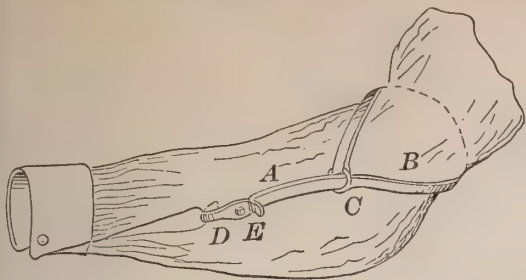
63079—J. I. Munroe—*Hay Rake.*



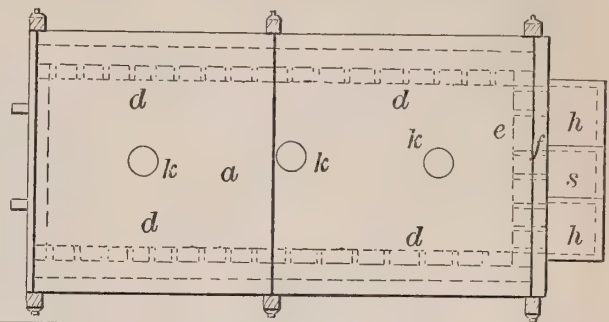
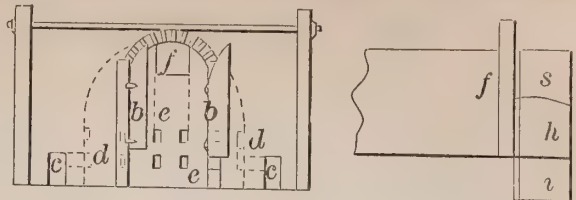


63080—I. H. Newton—*Saw Mill.*63083—B. Ott—*Clothes Tongs.*63085—F. R. Pearson—*Spinning Jack.*63081—M. V. Nobles—*Boat Detaching Tackle.*63082—M. V. Nobles—*Boat Detaching Tackle.*63086—C. Peebels—*Fruit Box Handle.*63088—D. & E. Perry—*Hooping Cask.*63091—W. Pomeroy—*Truss.*63089—J. Phillips, Jr.—*Wood Turning Lathe.*63090—J. E. Phillips—*Press Strainer.*

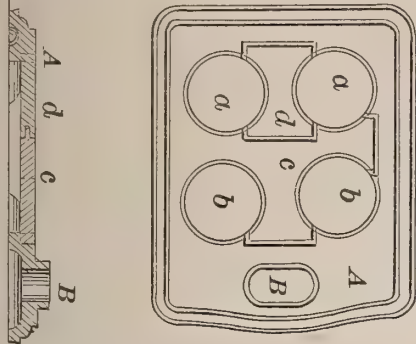
63092—T. Powell—*Sleeve Supporter.*



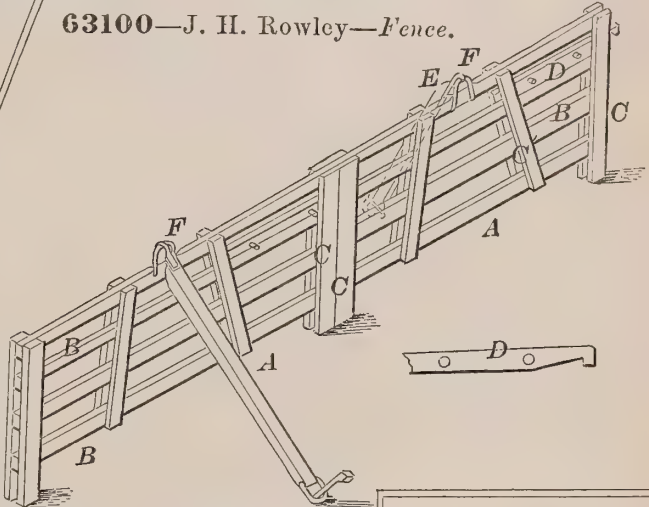
63094—J. T. Reese—*Stall for Roasting Ores.*



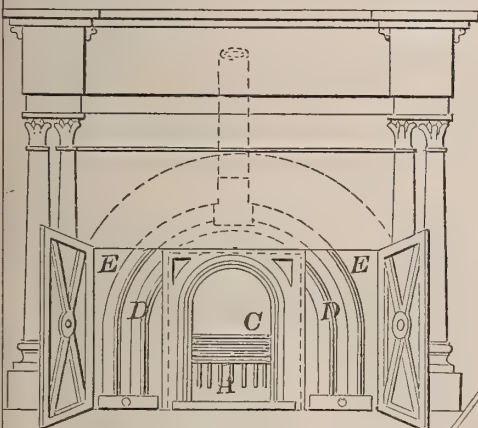
63093—S. Raymond—*Cooking Stove Cover.*



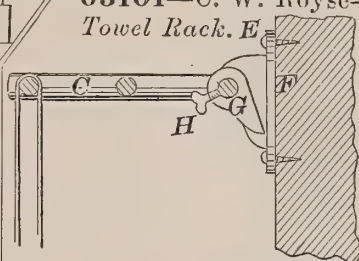
63100—J. H. Rowley—*Fence.*



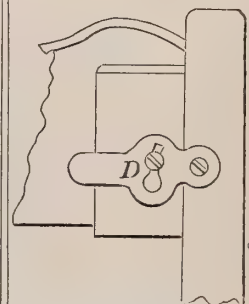
63098—I. I. Richardson—*Fireplace.*



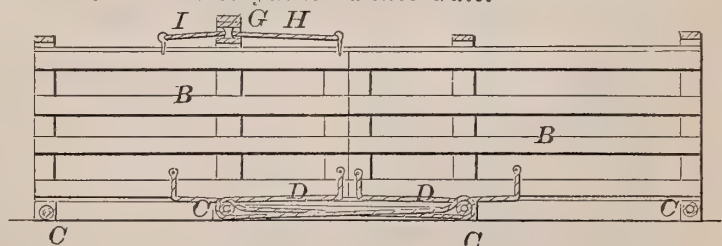
63101—C. W. Royse—*Towel Rack.*



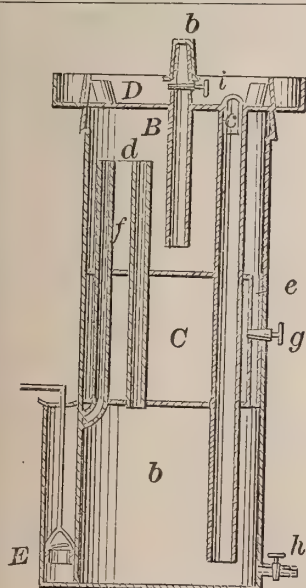
63095—A. H. Rennie—*Bedstead Fastening.*



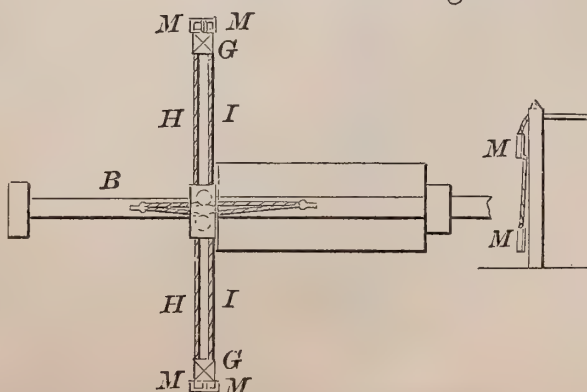
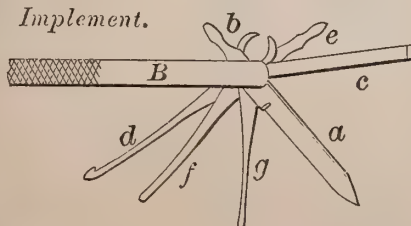
63103—M. L. Salyards—*Fence Gate.*



63099—J. Ross—*Fountain.*

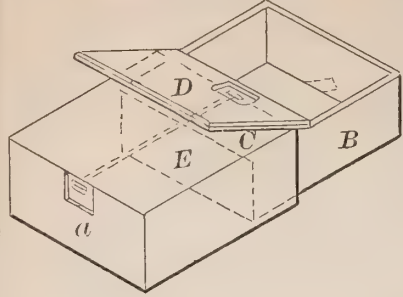


63102—J. A. Russ—*Pocket Implement.*

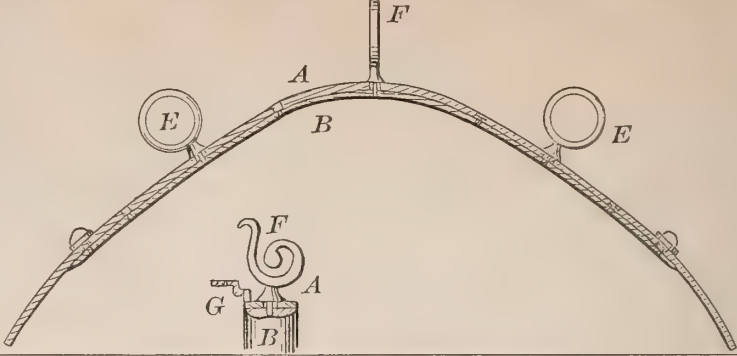




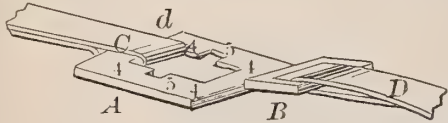
63104—L. Schoerken—  
*Match Box.*



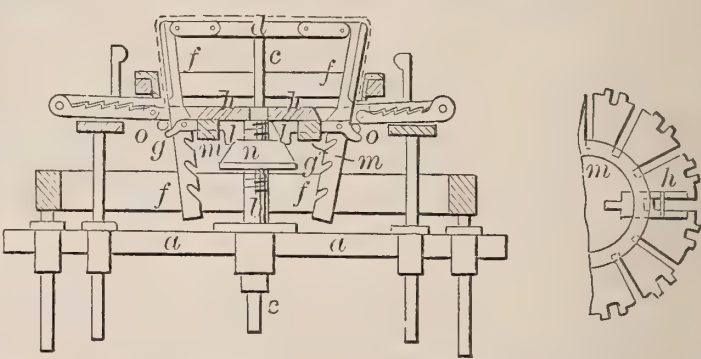
63108—Shaw & Dawson—*Pad Plate for Harness.*



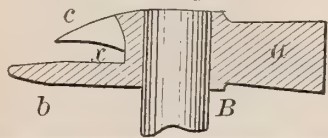
63105—D. M. Seehler—*Cotton Bale Tie.*



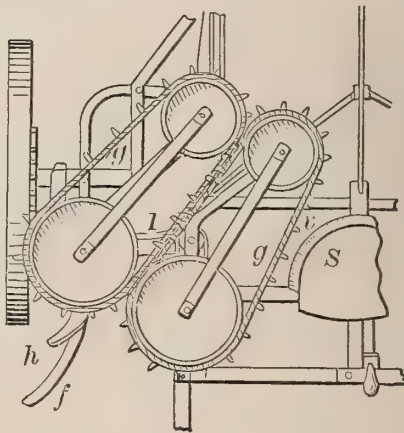
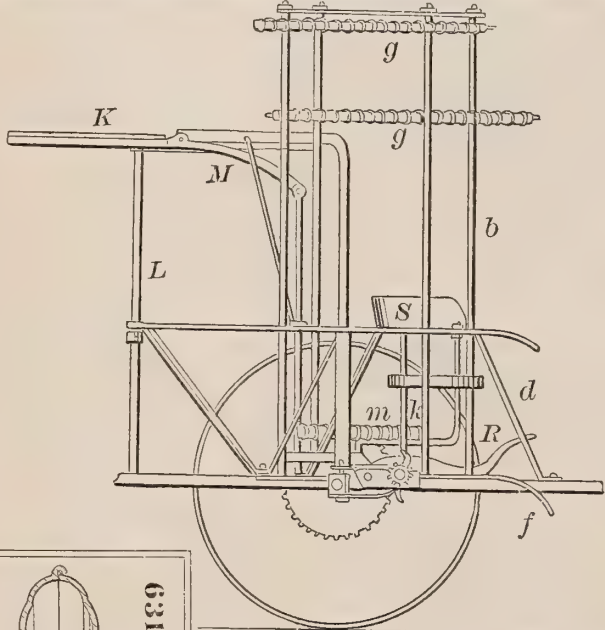
63109—J. Sheldon—*Hat Blocking Machine.*



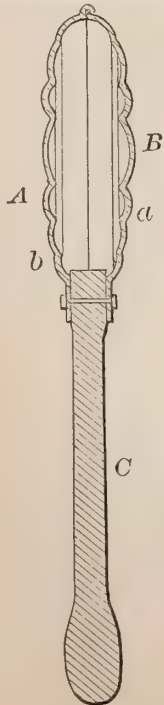
63106—G. Selsor—*Nail Hammer.*



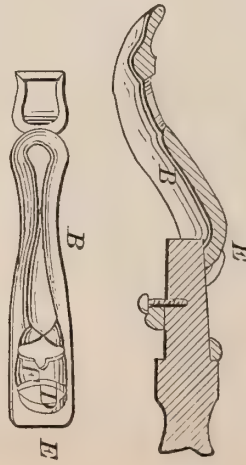
63111—J. Shobe—*Corn Harvester.*



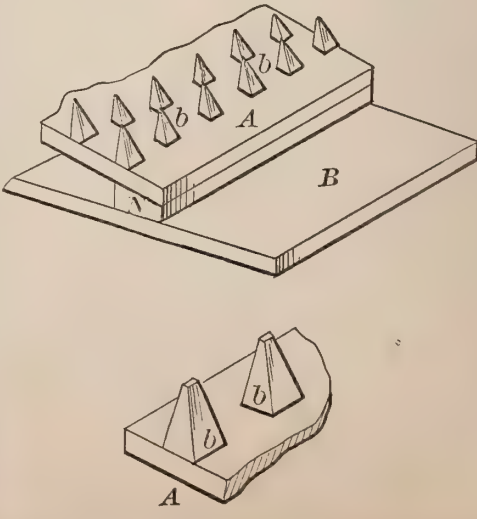
63107—J. W. Shaler—*Clothes Sprinkler.*



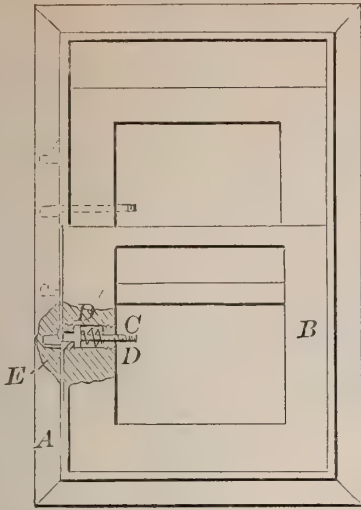
63110—A. Shepard—*Slove Cover Lifter.*



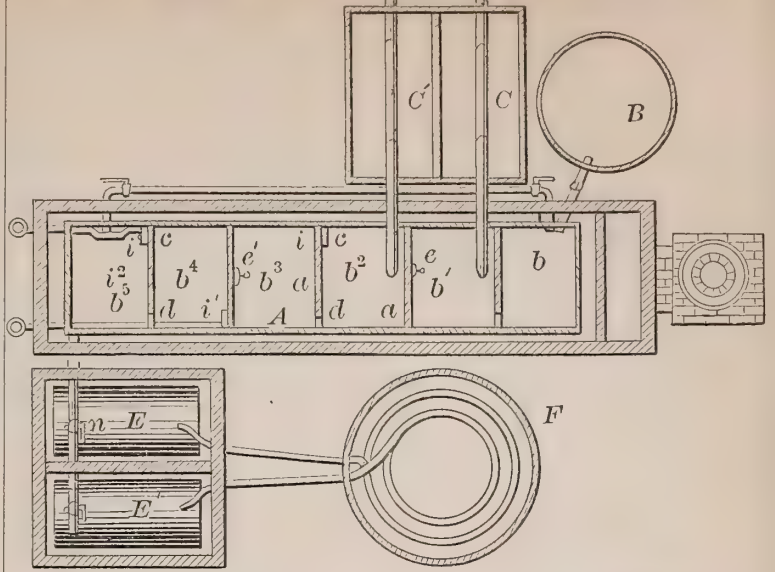
63112—I. B. Siddle—*Corn Sheller.*



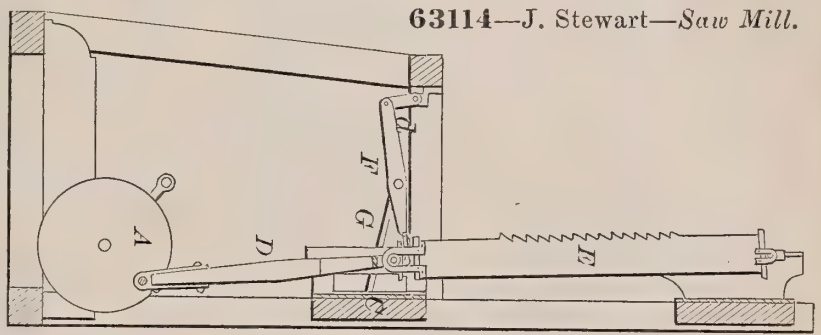
**63113**—J. D. Smith—*Window Fastening.*



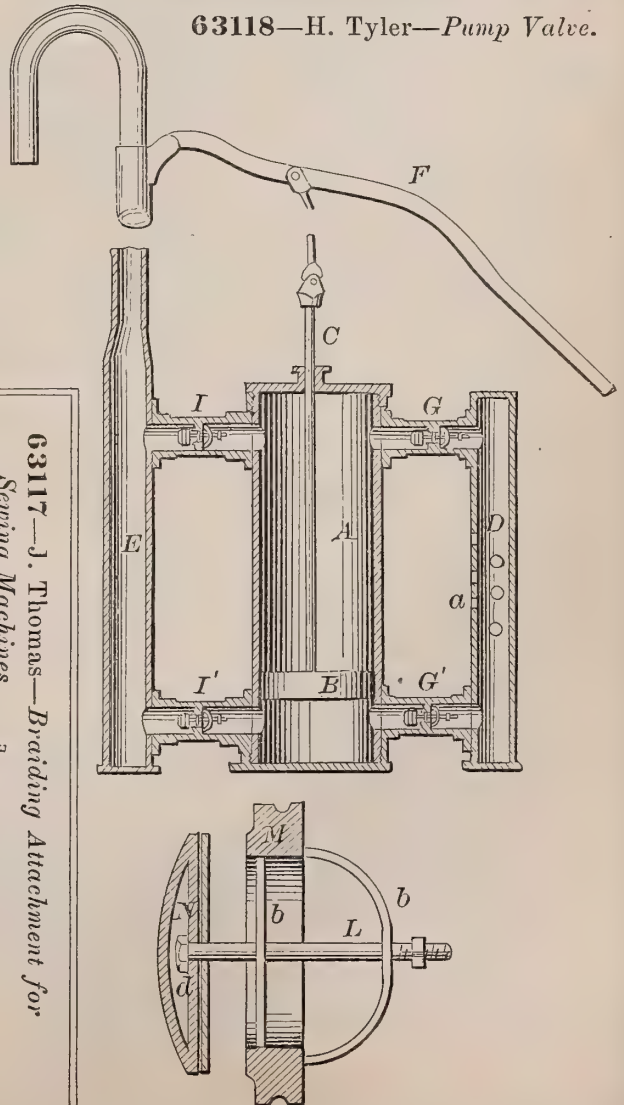
**63115**—Tait & Avis—*For Distilling Petroleum, &c.*



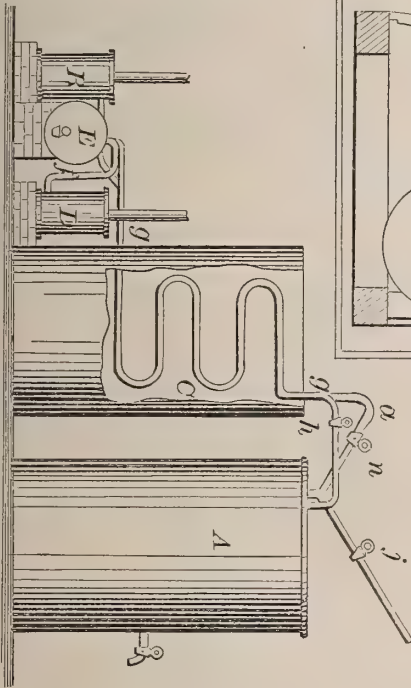
**63114**—J. Stewart—*Saw Mill.*



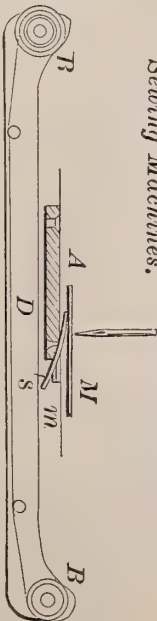
**63118**—H. Tyler—*Pump Valve.*



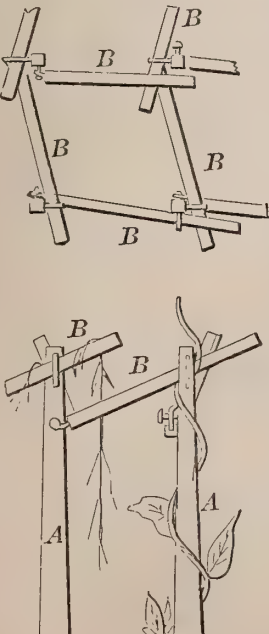
**63116**—Tait & Avis—*Fermentation of Saccharine Liquids.*



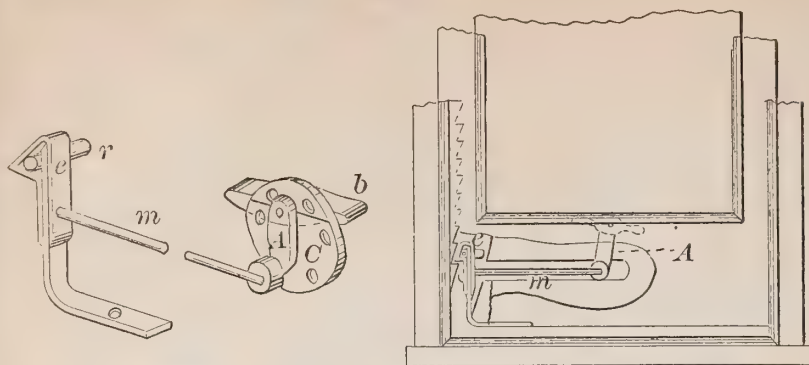
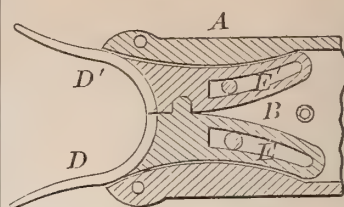
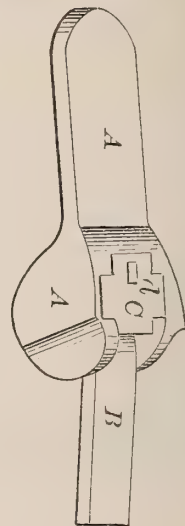
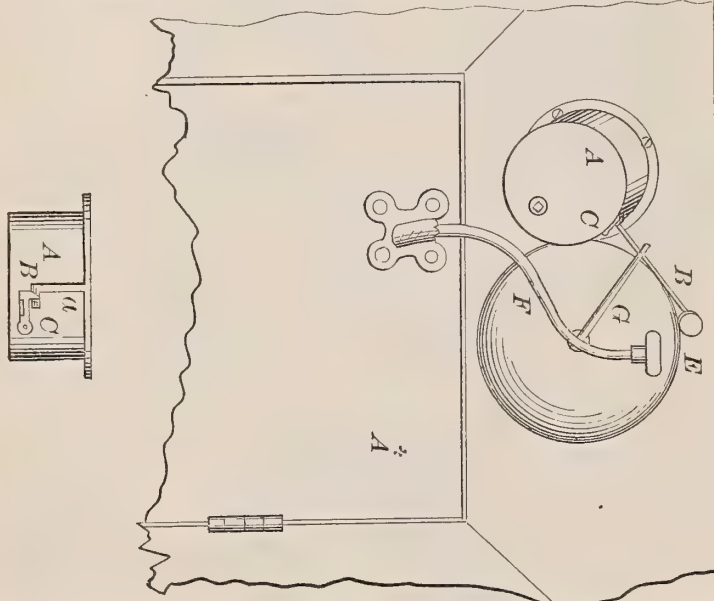
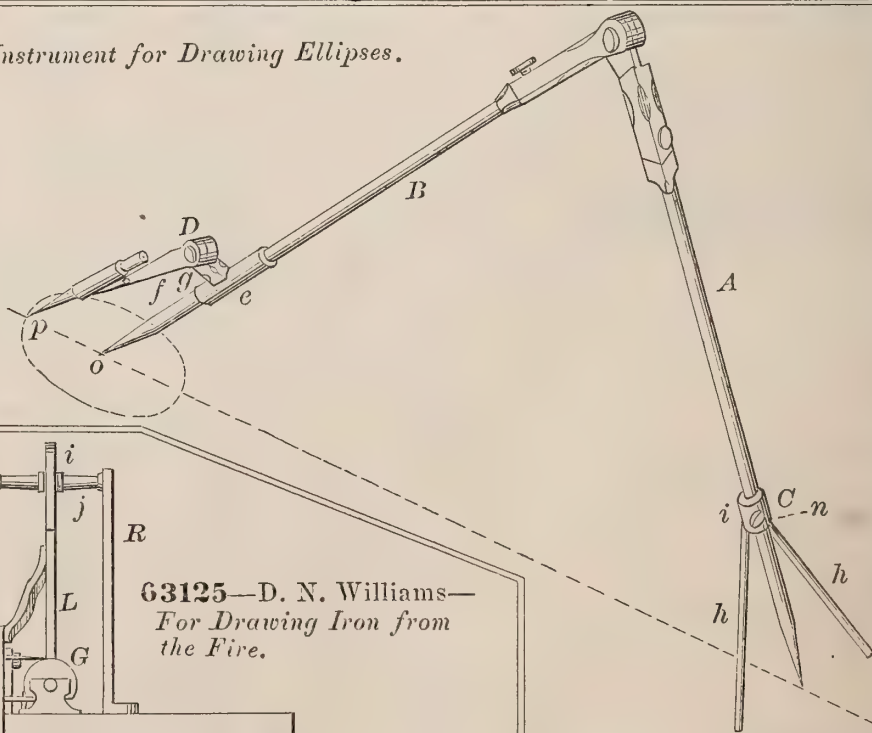
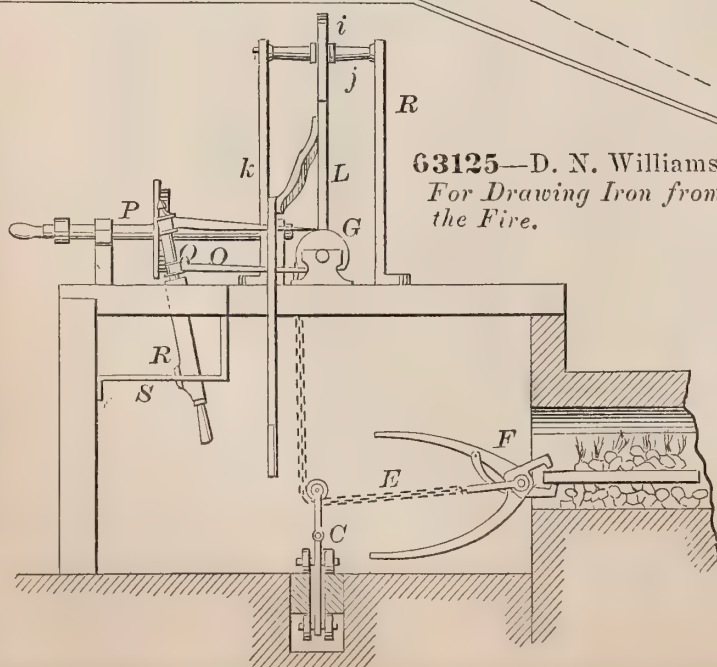
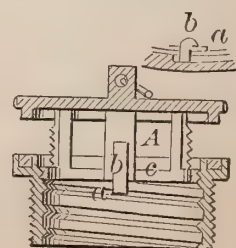
**63117**—J. Thomas—*Braiding Attachment for Sewing Machines.*



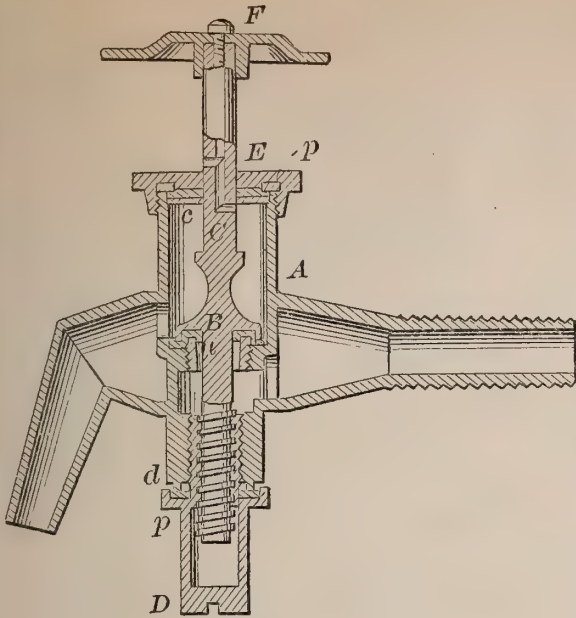
**63119**—J. B. V. Dewcker—*Hop Frame.*



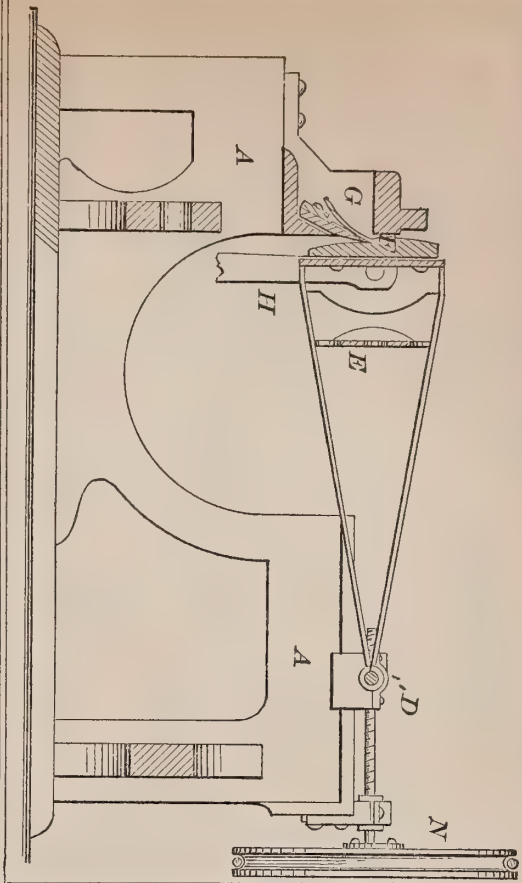


**63120**—R. Vose—*Sash Supporter.***63121**—J. Walker—*Bootjack.***63122**—Wallis, Mattoon & Tuttle—*Attaching Thrills to Wagons.***63124**—C. Waterman—*Burglar Alarm.***63123**—A. Warr—*Instrument for Drawing Ellipses.***63125**—D. N. Williams—*For Drawing Iron from the Fire.***63126**—J. Wilcox—*Valve.*

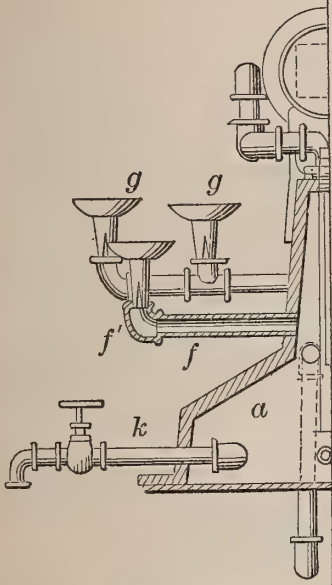
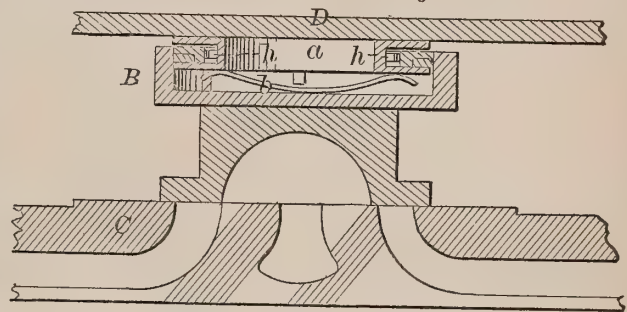
63127—J. Wilcox—*Faucet.*



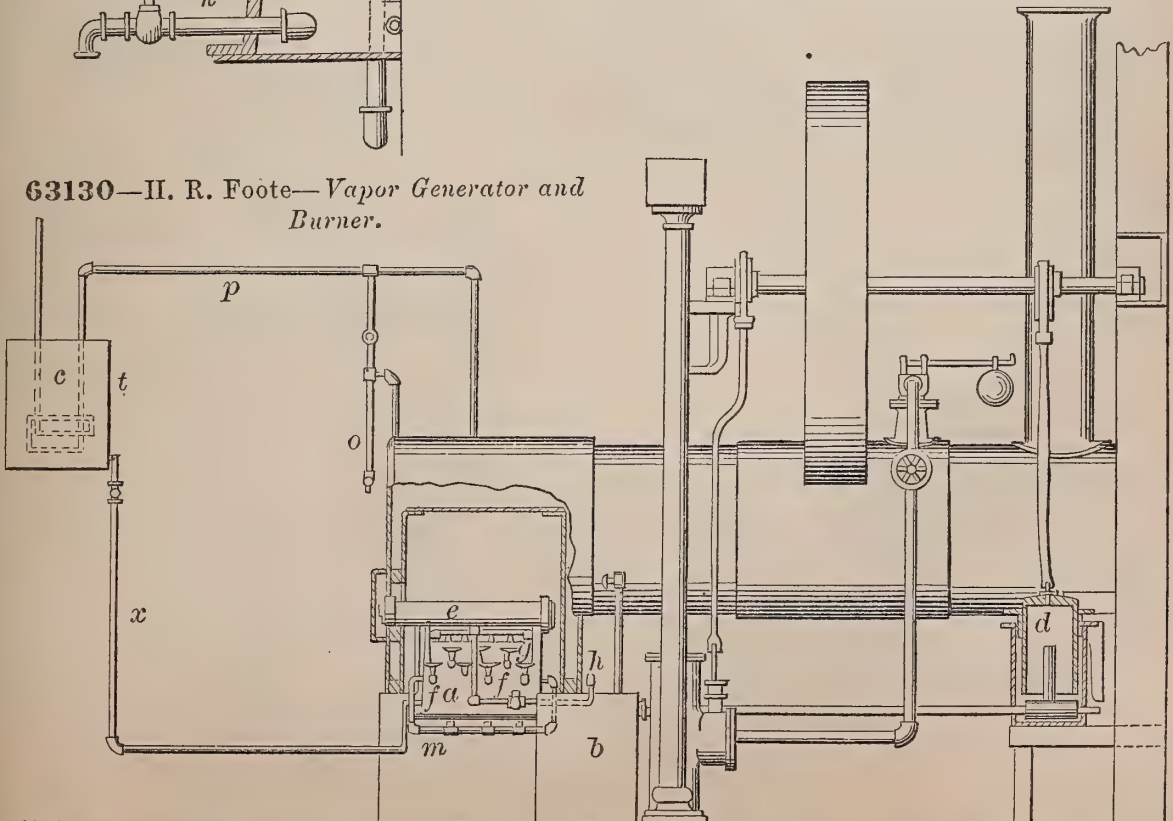
63128—J. B. Wilson—*Veneer Cutter.*



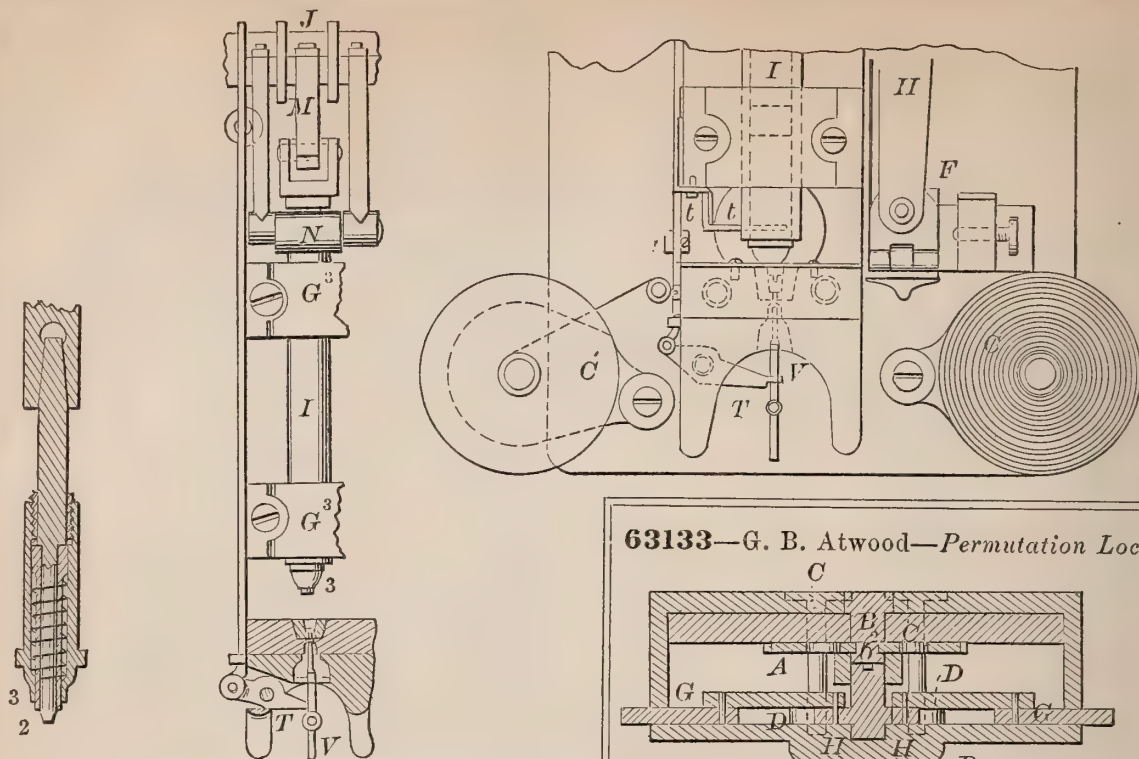
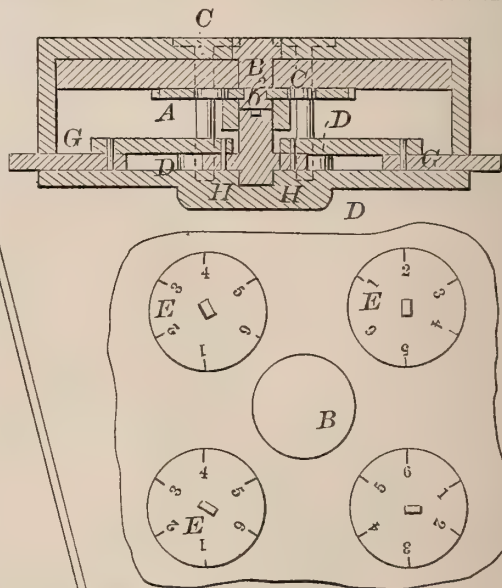
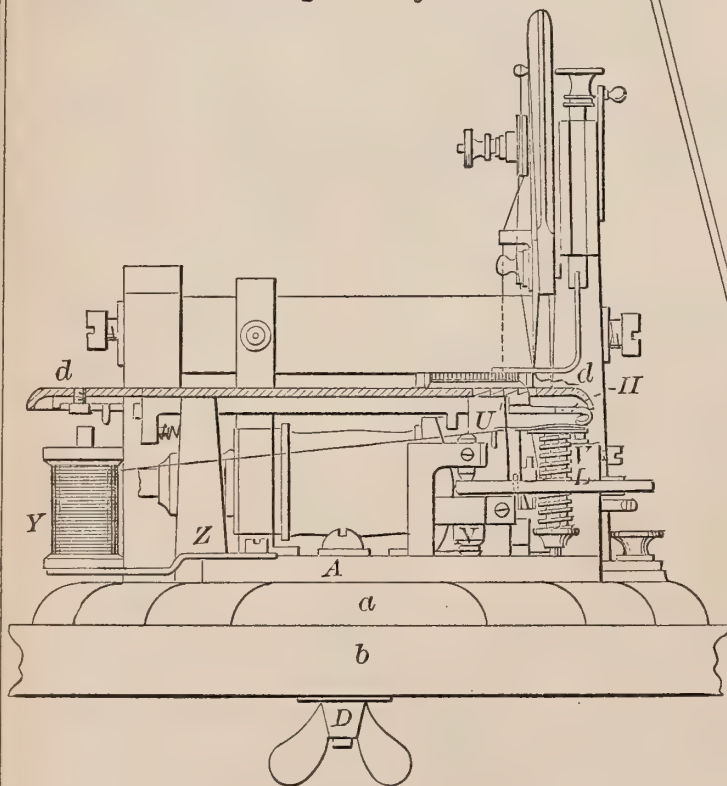
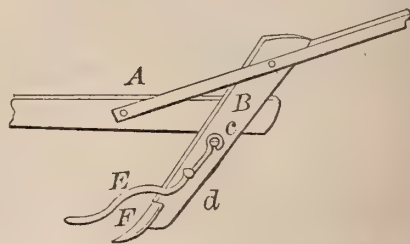
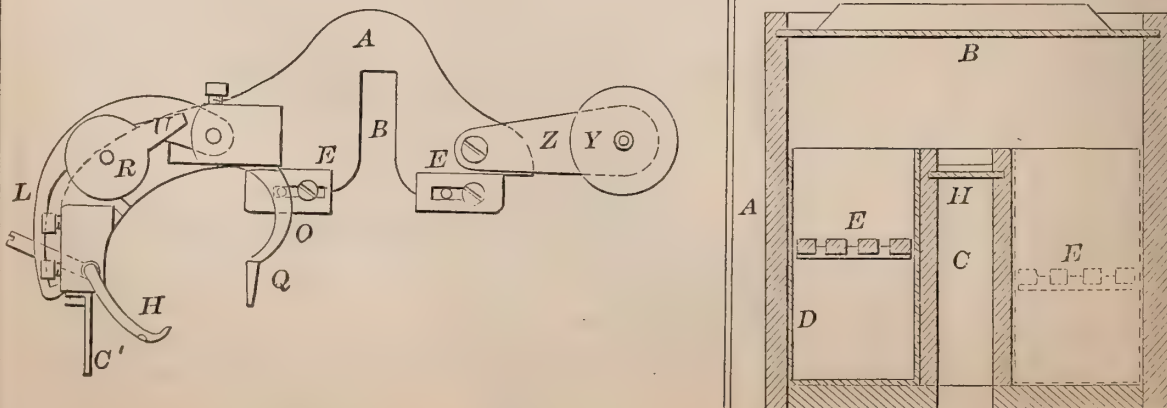
63129—P. Wineman—*Steam Engine Slide Valve.*



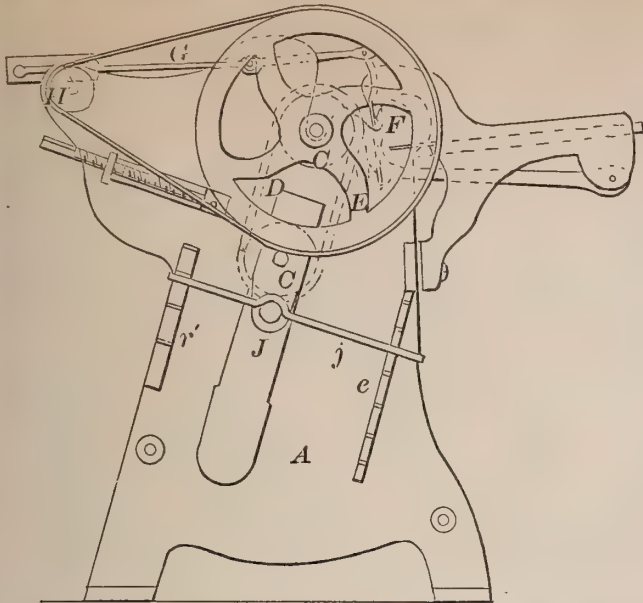
63130—H. R. Foote—*Vapor Generator and Burner.*



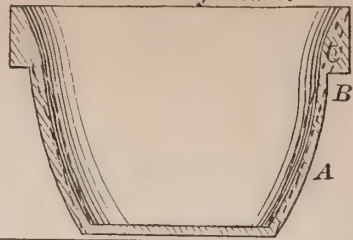


63131—S. W. Adams—*Eyelet Machine.*63133—G. B. Atwood—*Permutation Lock.*63132—F. Armstrong—*Sewing Machine.*63134—W. J. M. Batchelder—*Shovel Plow Guard.*63135—J. M. Beebe—*Bee Feeder.*

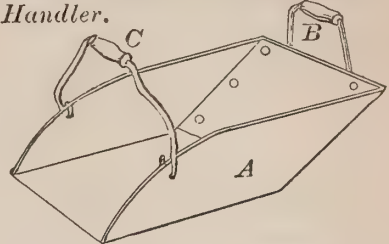
63136—Brackett & Dearborn—Cotton Gin.



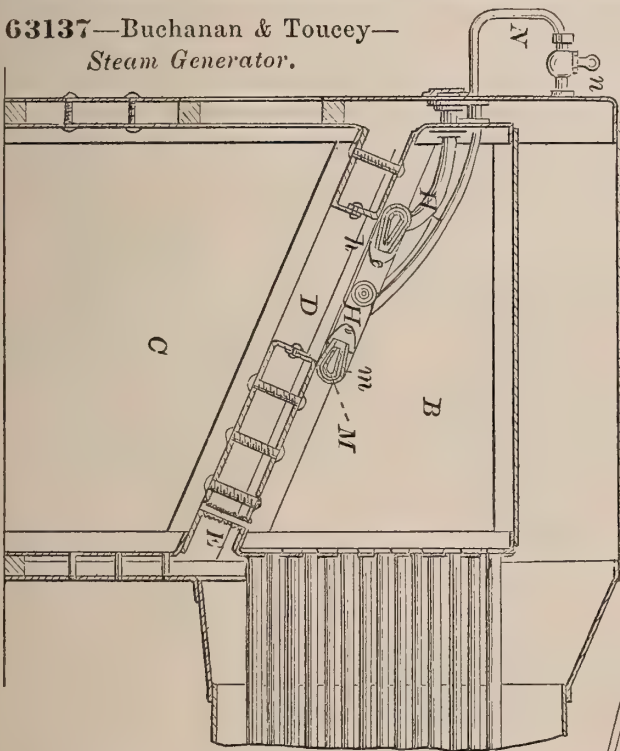
63138—E. T. Chapman—Stone Ware Manufacture.



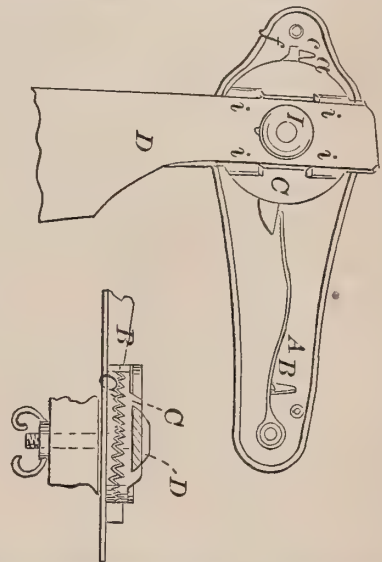
63139—F. Clark—Grain Shovel Handler.



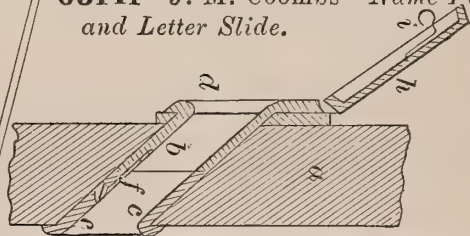
63137—Buchanan & Toucey—Steam Generator.



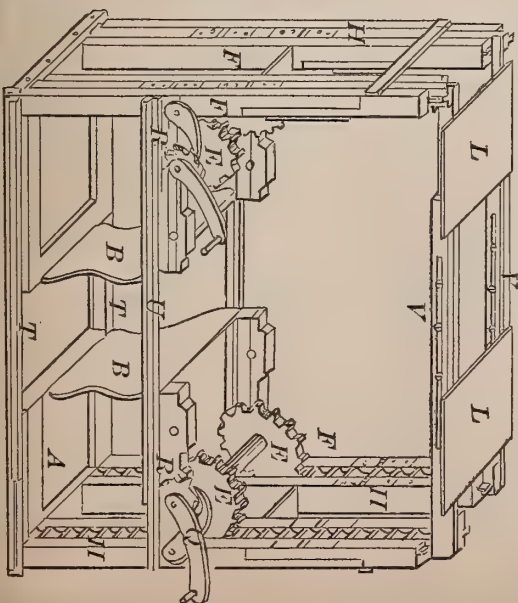
63140—R. Cook—Tender for Corn Plows.



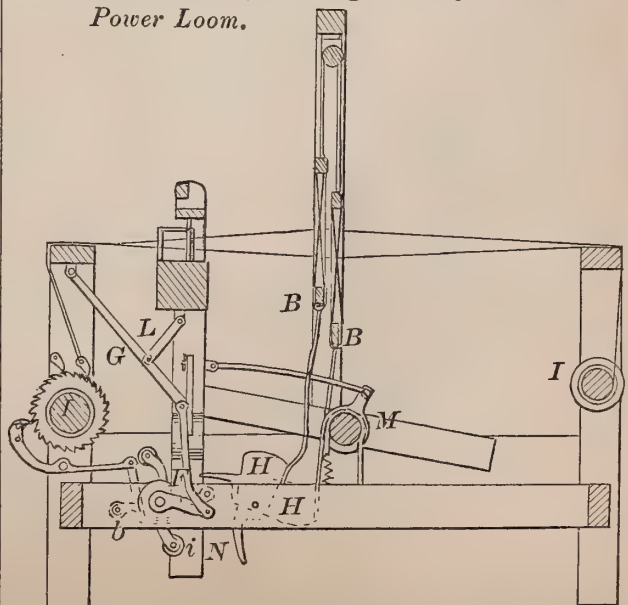
63141—J. M. Coombs—Name Plate and Letter Slide.



63142—C. Crow—Scaffold.

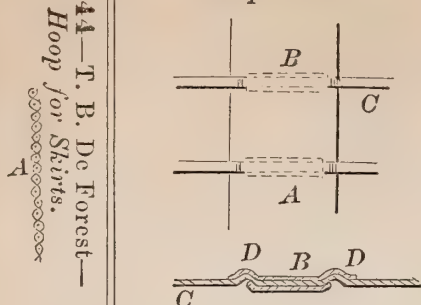


63143—Deen, Bolding & Perry—Hand Power Loom.

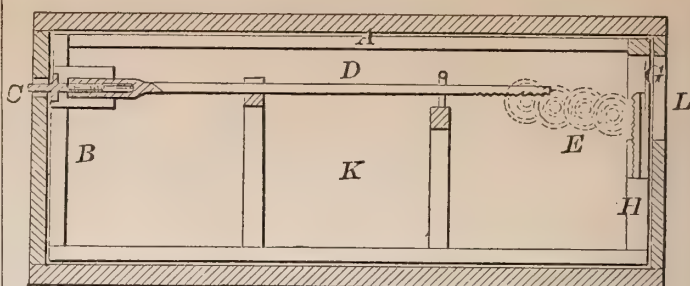




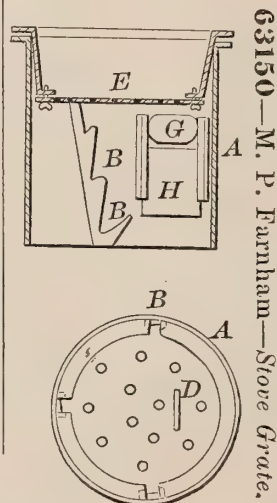
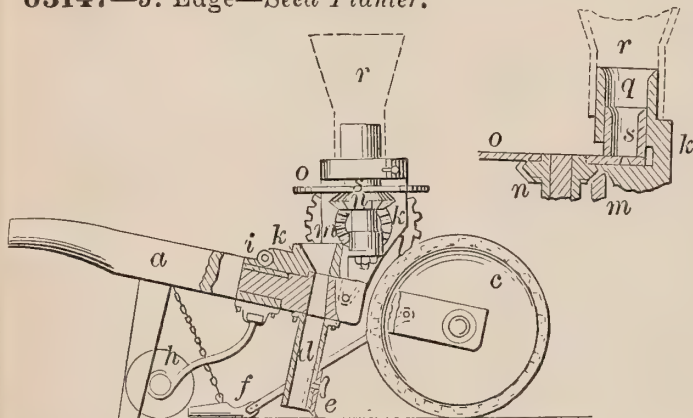
63144—T. B. De Forest—  
*Hoop for Skirts.*



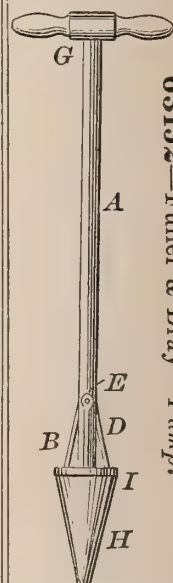
63146—P. Degive—*For Hatching Eggs.*



63147—J. Edge—*Seed Planter.*

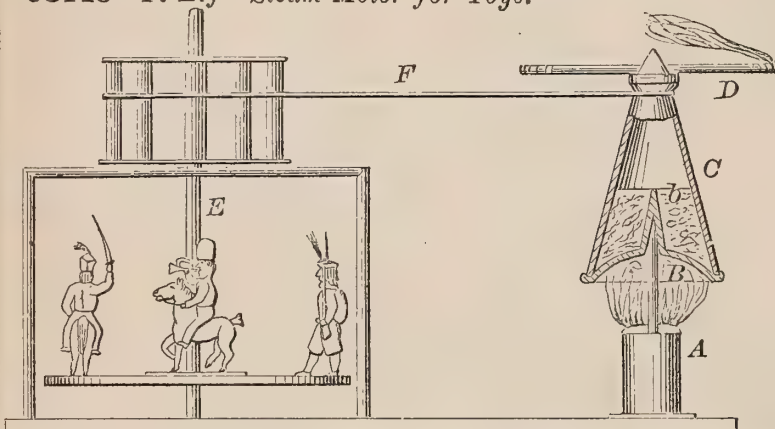


63150—M. P. Farnham—*Stove Grate.*

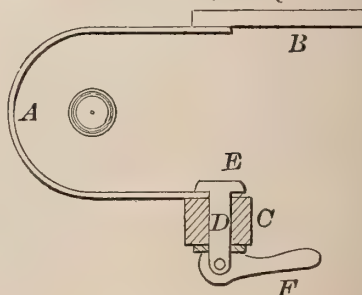


63152—Fuller & Bray—*Pump.*

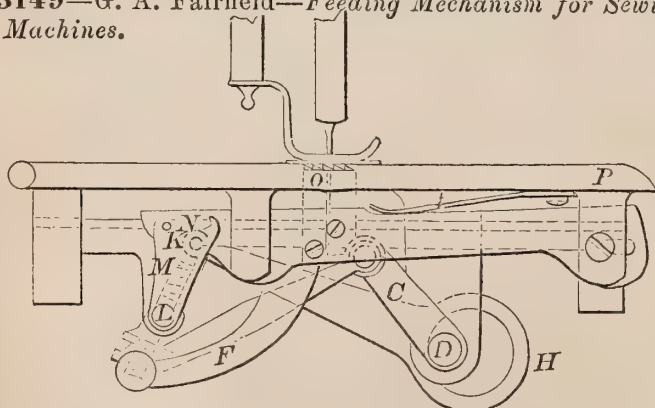
63148—P. Ely—*Steam Motor for Toys.*



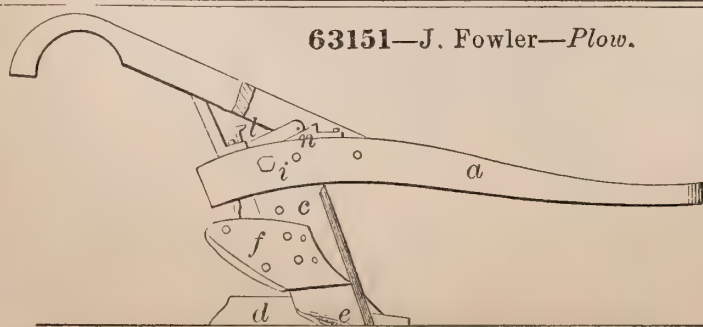
63153—G. L. Gerard—*Bed Bottom.*



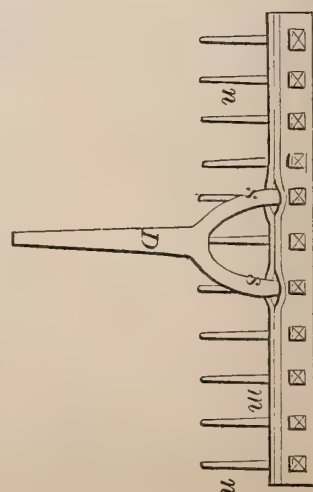
63149—G. A. Fairfield—*Feeding Mechanism for Sewing Machines.*



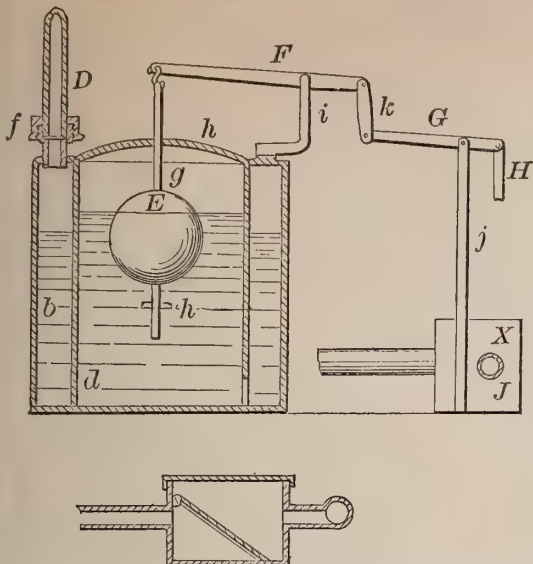
63151—J. Fowler—*Plow.*



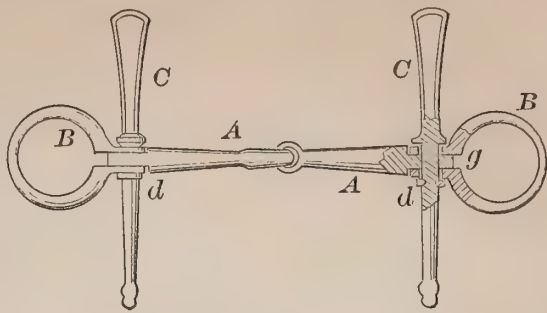
63154—B. F. Gladding—*Rake.*



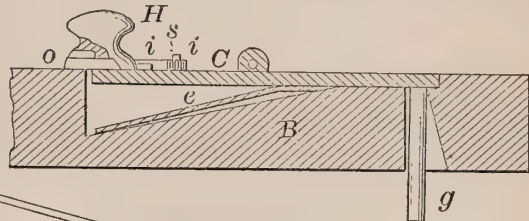
**63155**—J. A. Harris—*For Regulating the Exhauster in Gas Works.*



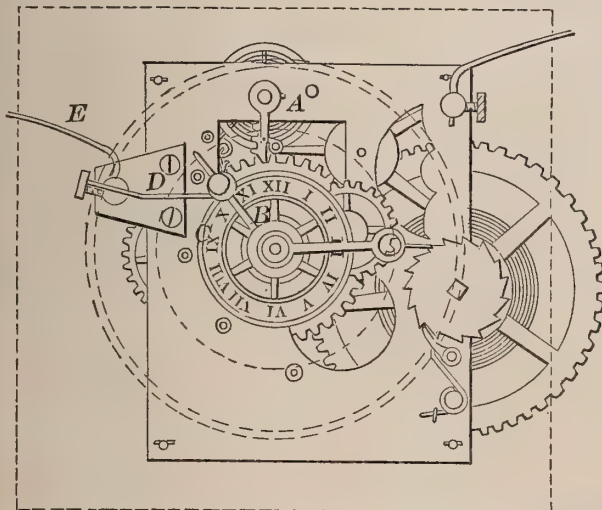
**63156**—W. B. Hayden—*Bridle Bit.*



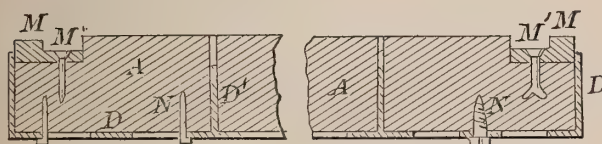
**63157**—G. F. Hedrich—*Sash Fastener.*



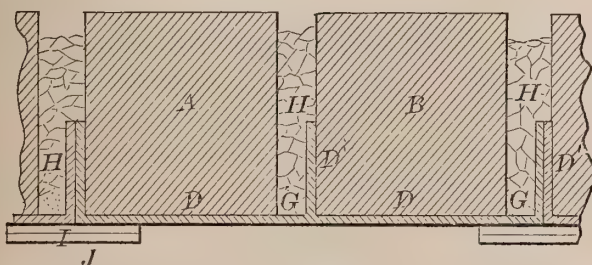
**63158**—E. Holmes—*Electric Circuit Breaking Clock.*



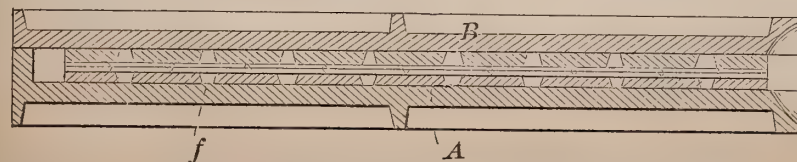
**63161**—B. B. Hotchkiss—*Railway Track.*



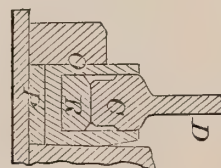
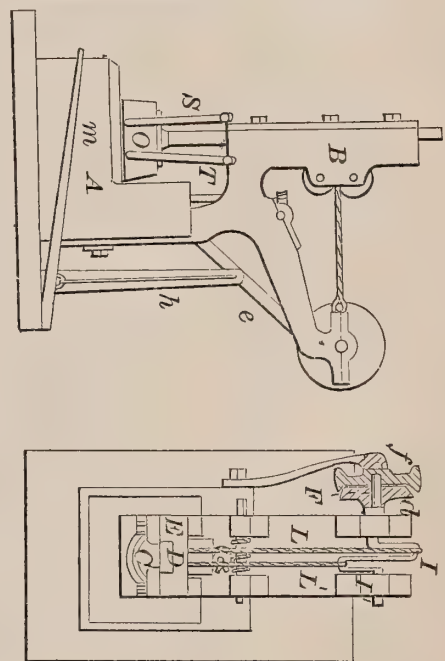
**63162**—B. B. Hotchkiss—*Pavement.*



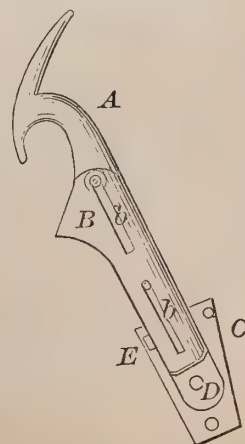
**63159**—J. Holt—*Die for Figures in Press-dyed Fabrics.*



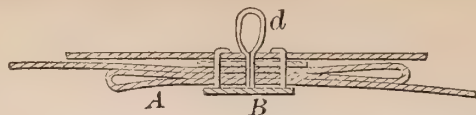
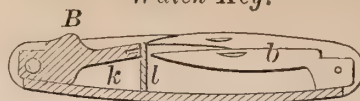
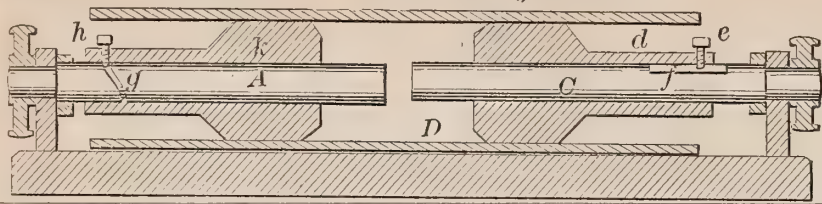
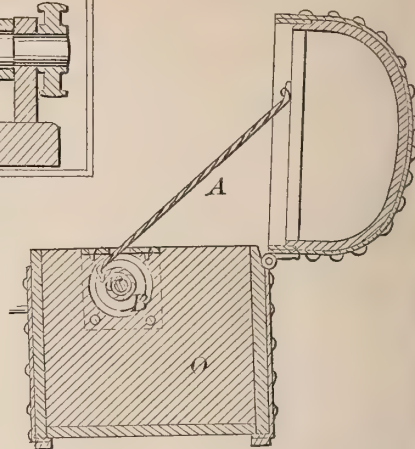
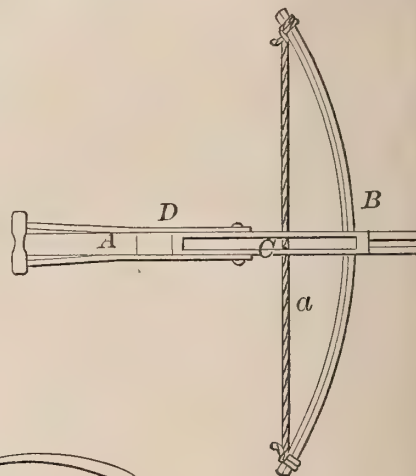
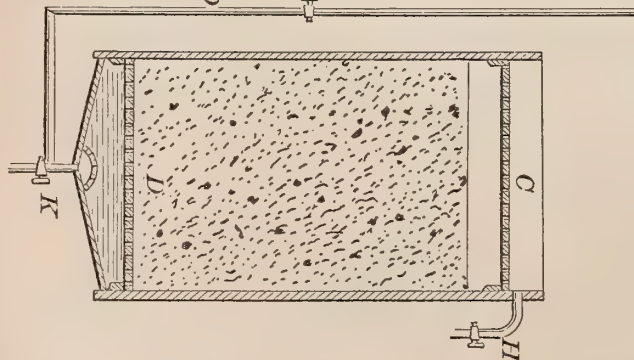
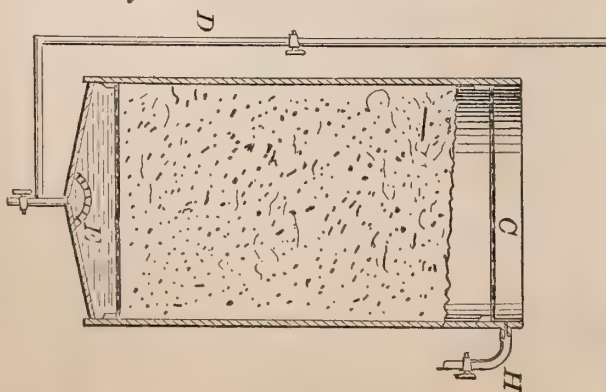
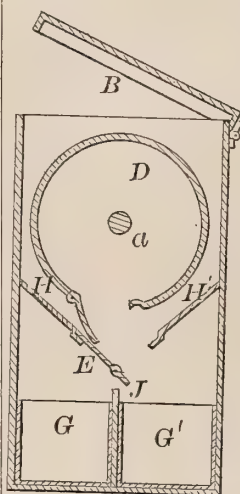
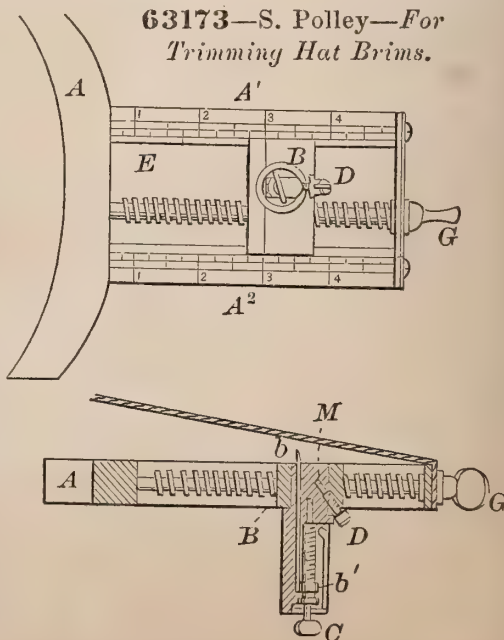
**63160**—Hotchkiss & Goodsell—*Ore Crusher.*



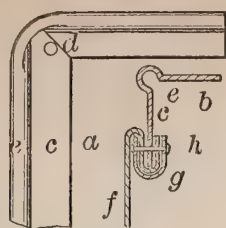
**63163**—G. L. Johnson—*Extension Ladder.*



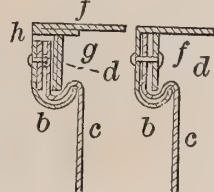


63164—G. A. Keene—*Necktie.*63171—E. Q. Norton—*Knife and Watch Key.*63165—Ladd & Crown—*Card Grinding Machine.*63167—R. McMurray—*Trunk.*63166—O. Macdaniel—*Wire Bule Tie.*63172—E. C. H. Nye—*Crossbow.*63174—Prentiss & Parsons—*For Treating Indian Corn.*63175—Prentiss & Parsons—*Preparation from Indian Corn.*63170—C. F. Myer—*Ash Sifter.*63173—S. Polley—*For Trimming Hat Brims.*

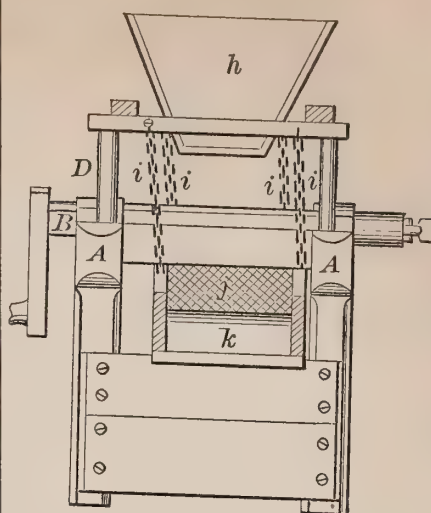
63178—E. A. G. Roulstone—*Carpet Bag.*



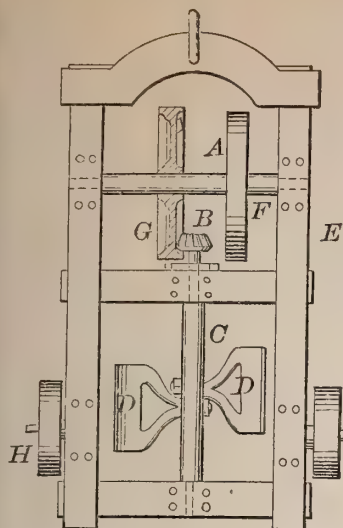
63179—E. A. G. Roulstone—*Carpet Bag.*



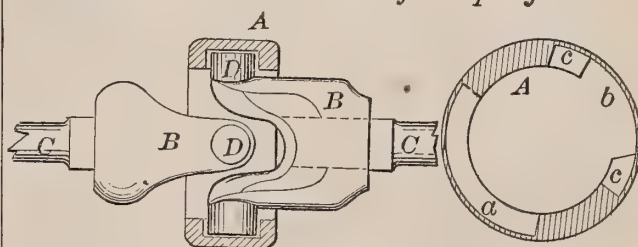
63180—S. C. Rundlett—*Sifter for Sand, &c.*



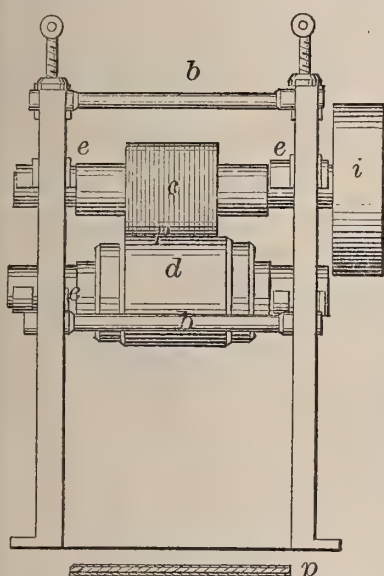
63176—K. Puckett—*Cotton Chopper.*



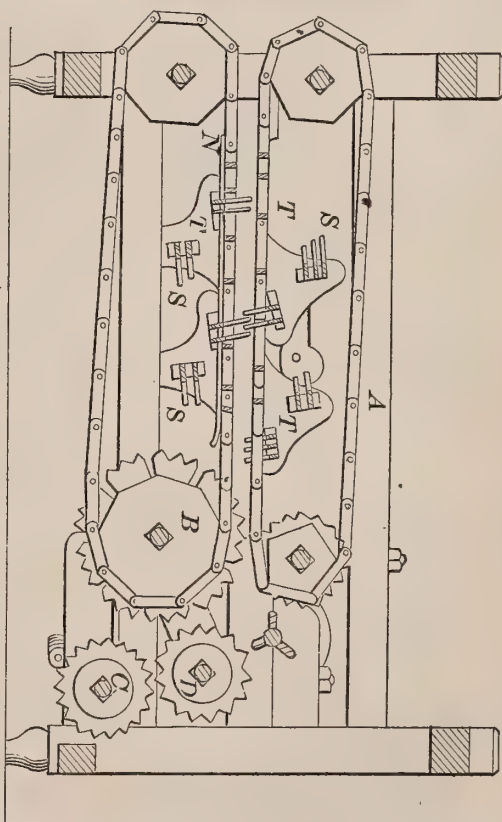
63182—S. C. Schofield—*Shaft Coupling.*



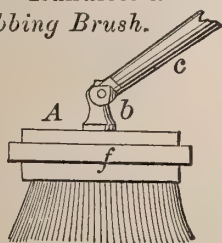
63177—G. W. Ray—*For Embossing Articles of Wearing Apparel.*



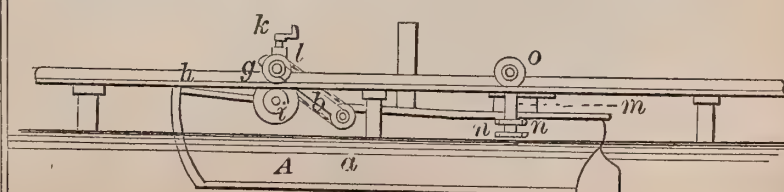
63183—S. Sherman—*Hemp Brake.*



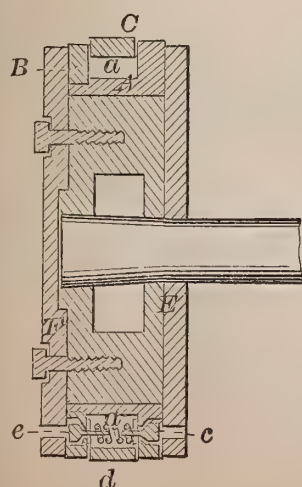
63181—Rundlett & Dodge—*Scrubbing Brush.*



63184—G. Stackepole—*For Propelling Canal Boats.*

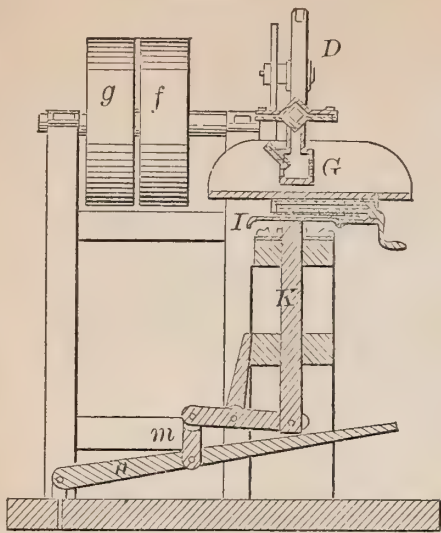


63185—T. Thurber—*Piston Packing.*

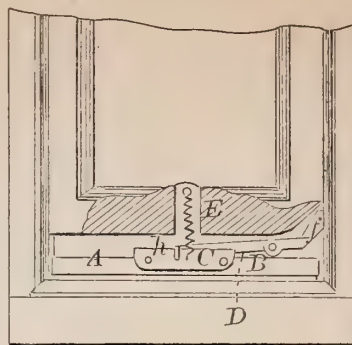




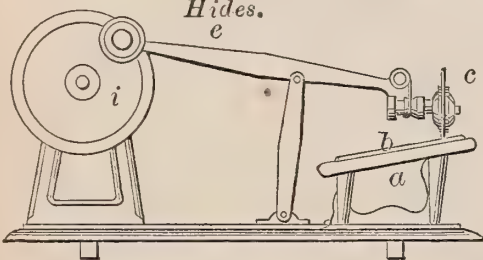
**63186**—W. M. Tobey—*Ironing Machine.*



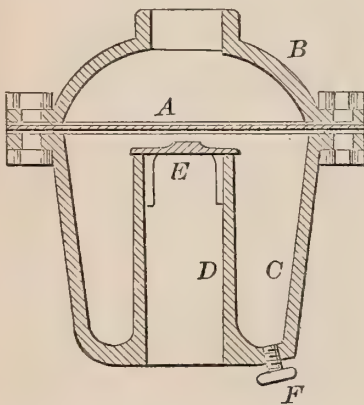
**63187**—L. W. Turner—*Weather Strip.*



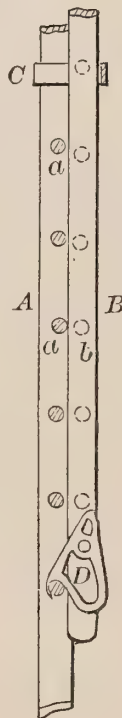
**63191**—T. F. Weston—*For Shaving Hides.*



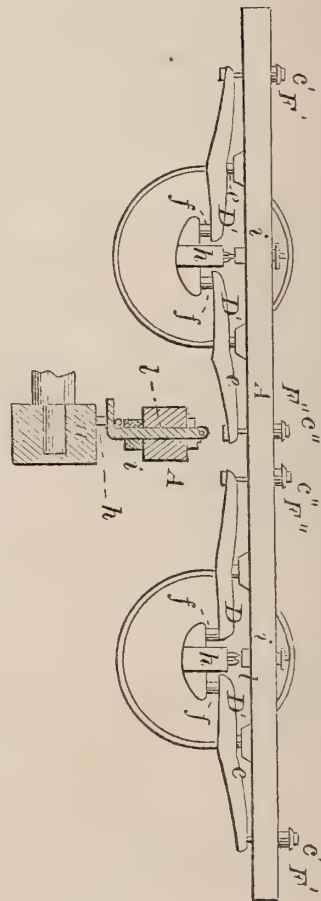
**63189**—J. D. West—*Sand Trap for Water Pipes.*



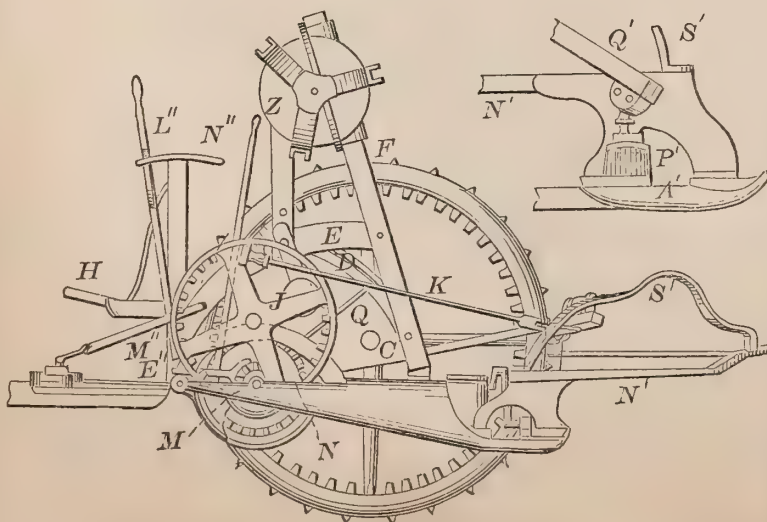
**63188**—C. G. Udell—*Extension Ladder.*



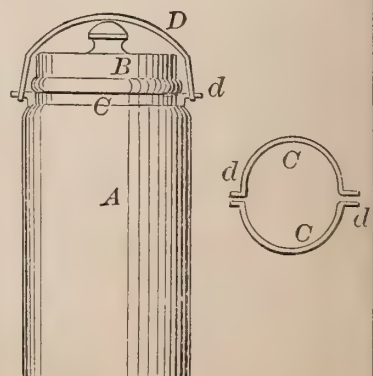
**63190**—L. H. West—*Car Truck and Spring.*



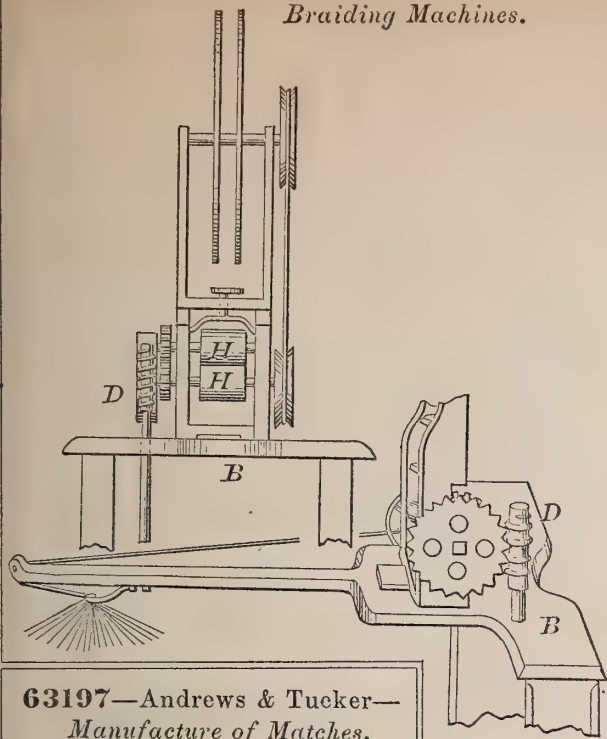
**63192**—W. N. Whitely, Jr.—*Harvester.*



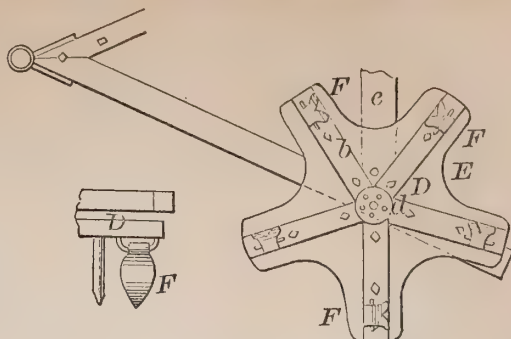
**63193**—B. B. Wilcox—*Fruit Jar.*



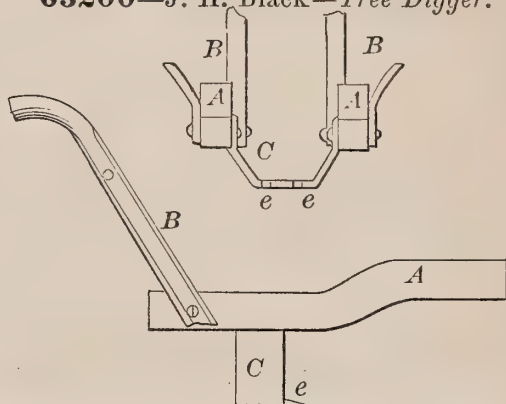
**63194**—G. K. Winchester.—*Take-up for Braiding Machines.*



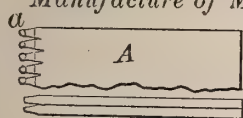
**63199**—C. Bates.—*Rotary Harrow.*



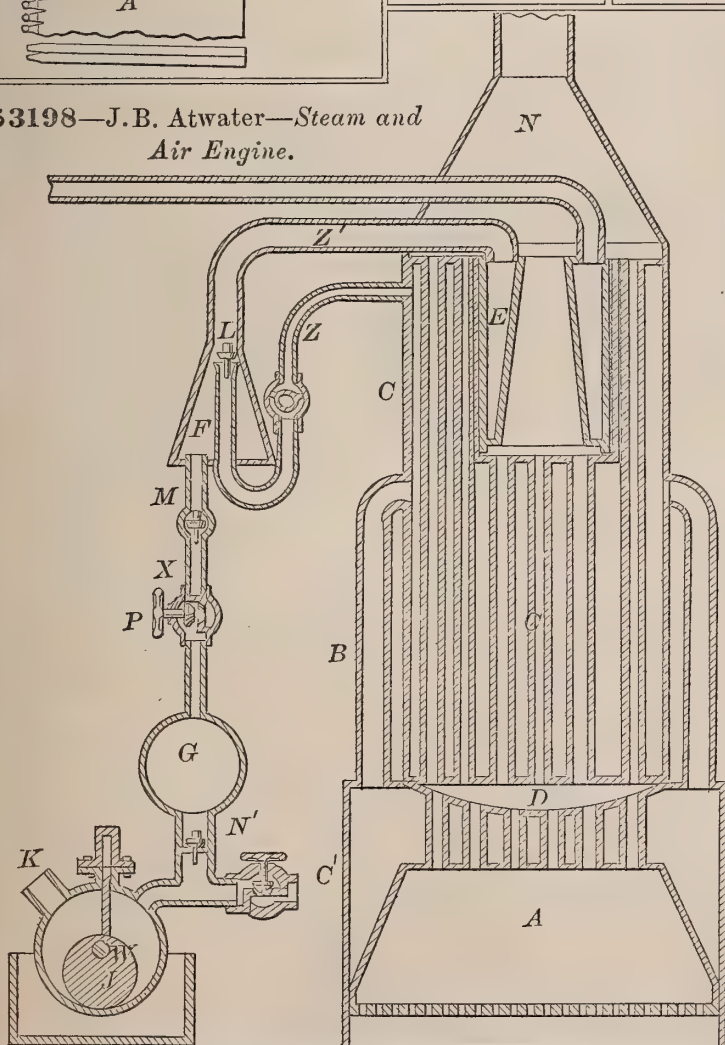
**63200**—J. H. Black.—*Tree Digger.*



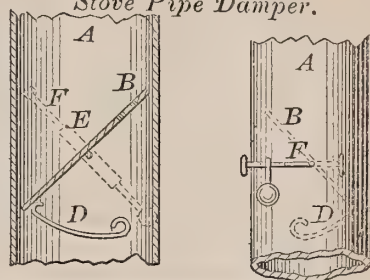
**63197**—Andrews & Tucker.—*Manufacture of Matches.*



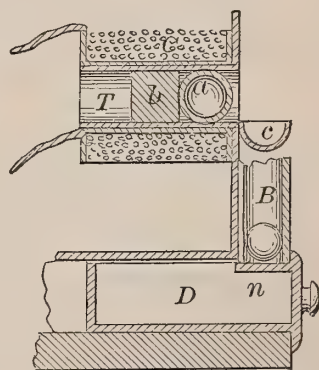
**63198**—J. B. Atwater.—*Steam and Air Engine.*



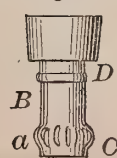
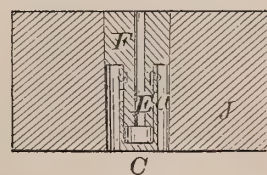
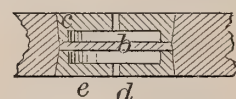
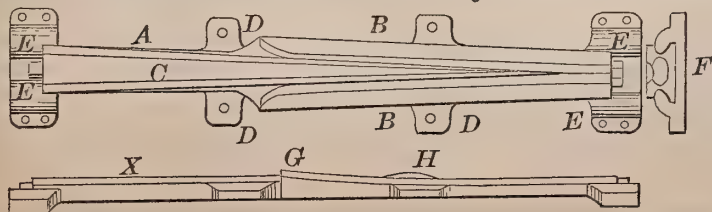
**63196**—T. K. Anderson.—*Stove Pipe Damper.*



**63201**—J. Blackie.—*Apparatus for Registering Votes.*

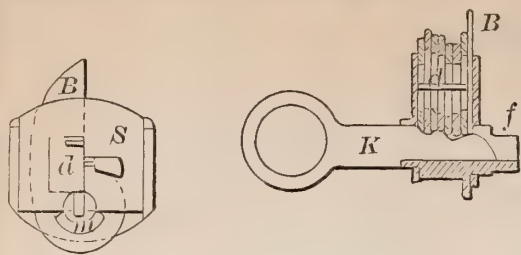
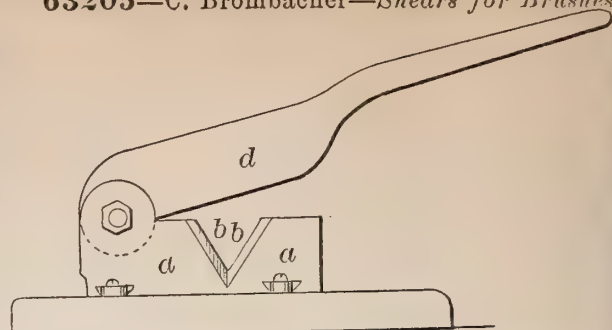
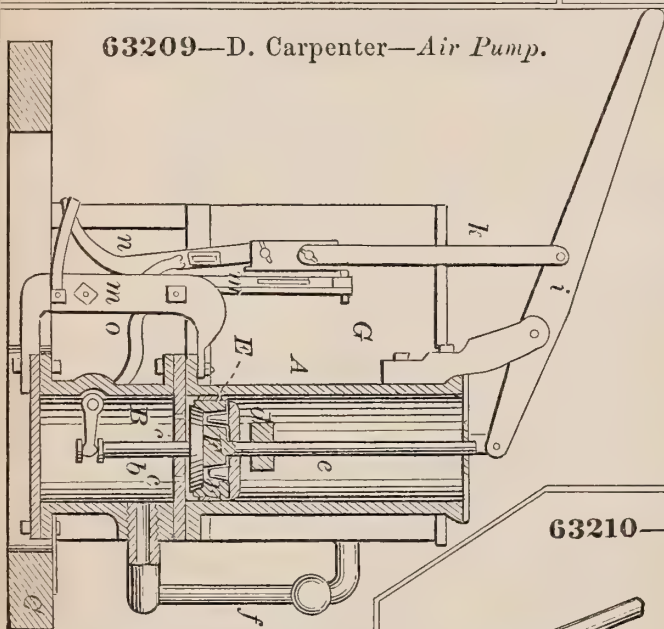
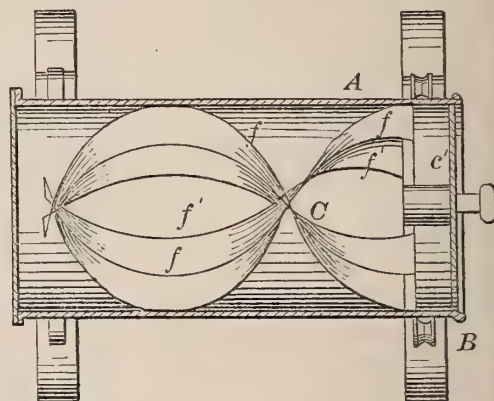
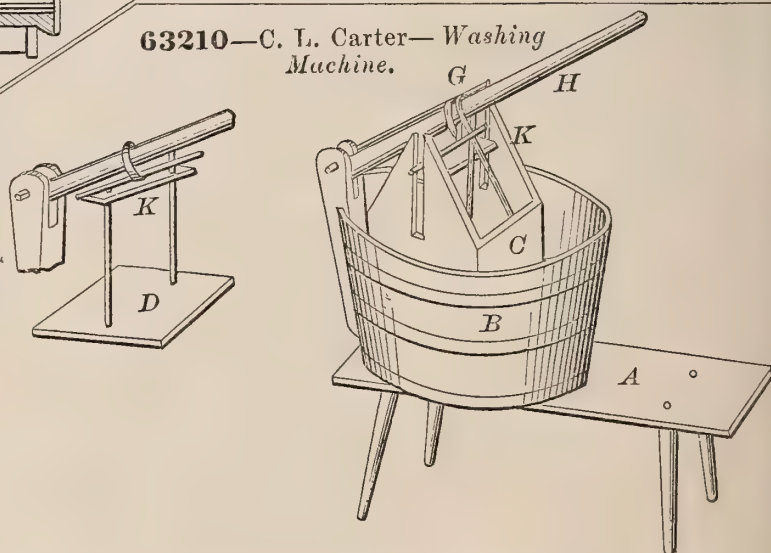
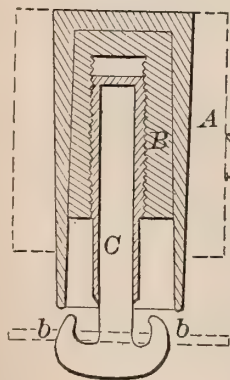
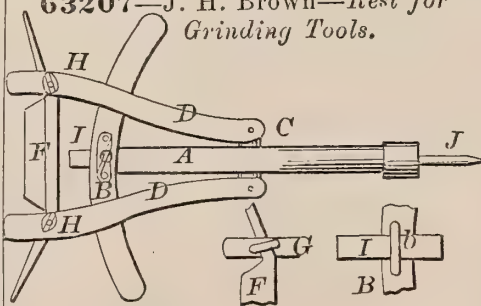
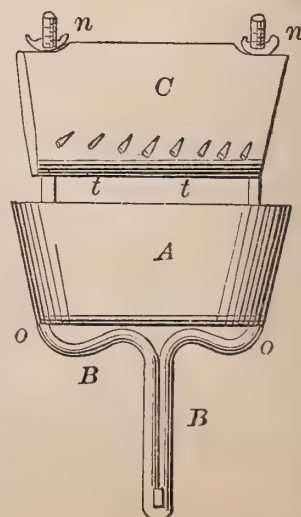
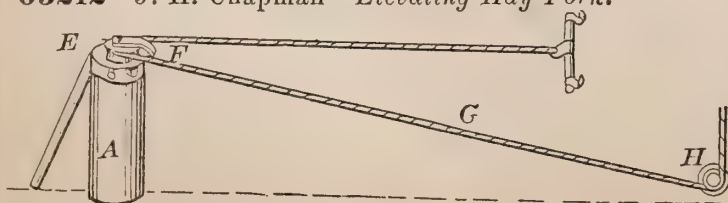


**63203**—N. P. Bowler.—*Railroad Frog.*

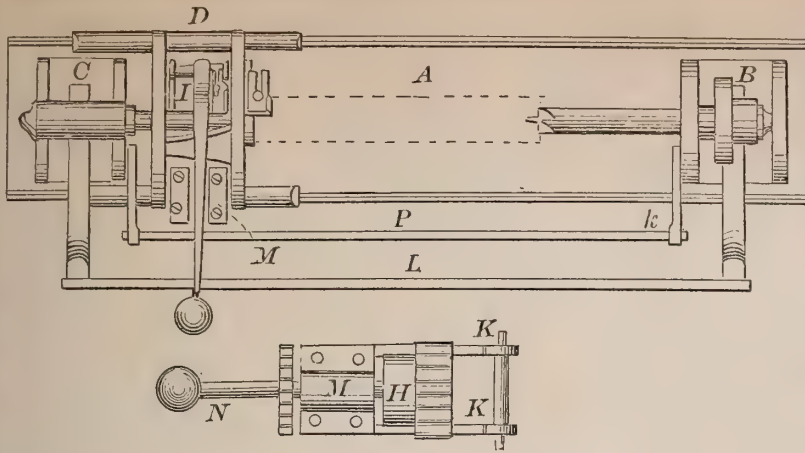


**63202**—S. Bourne.—*Vent Peg and Valve for Beer Casks.*

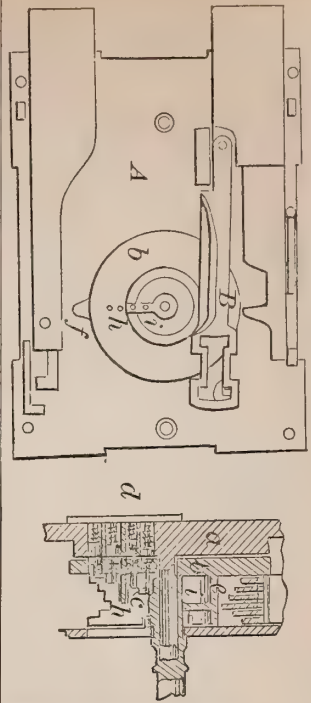


63204—E. W. Brettell—*Door Lock.*63205—C. Brombacher—*Shears for Brushes.*63209—D. Carpenter—*Air Pump.*63208—J. Burns—*Powder Mixer.*63210—C. L. Carter—*Washing Machine.*63206—D. Brooks—*Insulator for  
Telegraph Wires.*63207—J. H. Brown—*Rest for  
Grinding Tools.*63211—O. L. Castle—*Broom Head.*63212—J. H. Chapman—*Elevating Hay Fork.*

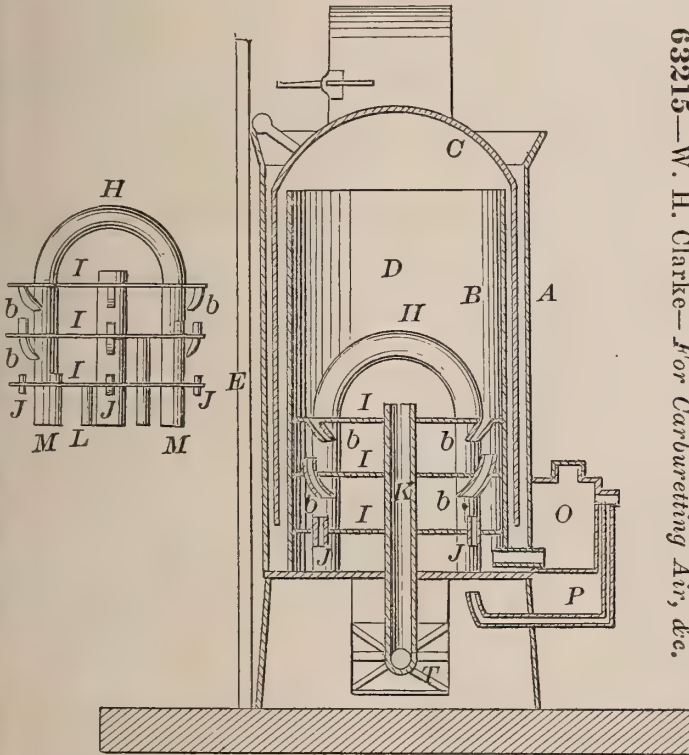
63213—J. Chase—Wood Turning Lathe.



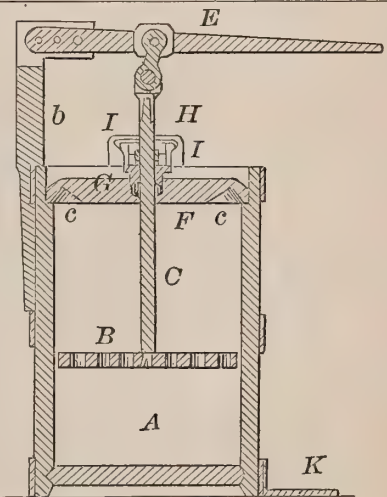
63214—S. L. Chase—Door Lock.



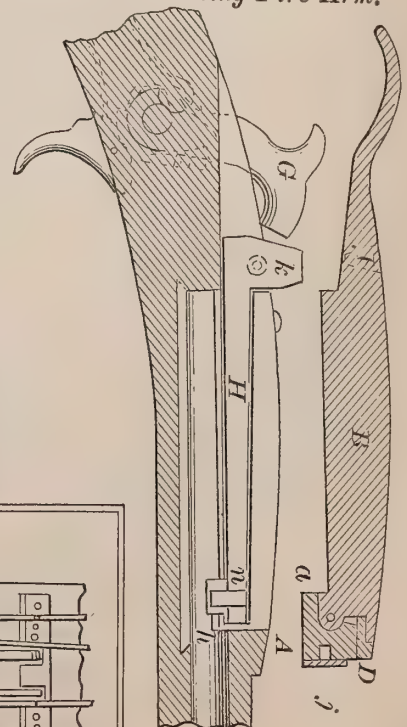
63215—W. H. Clarke—For Carbureting Air, &c.



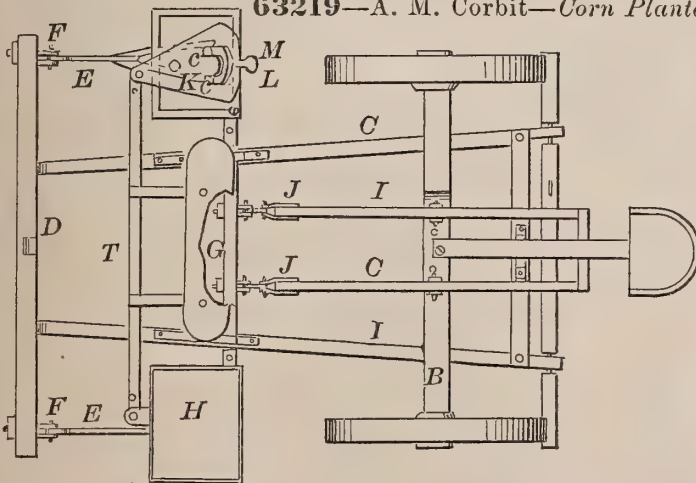
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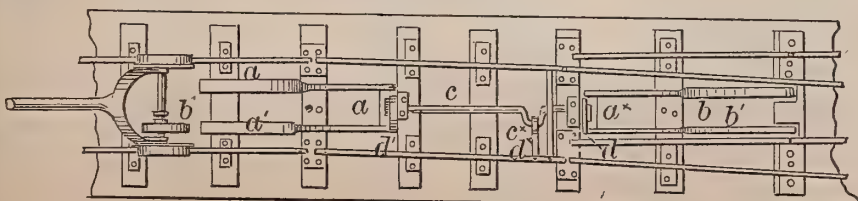
63217—J. W. Cochran—Breech-Loading Fire Arm.



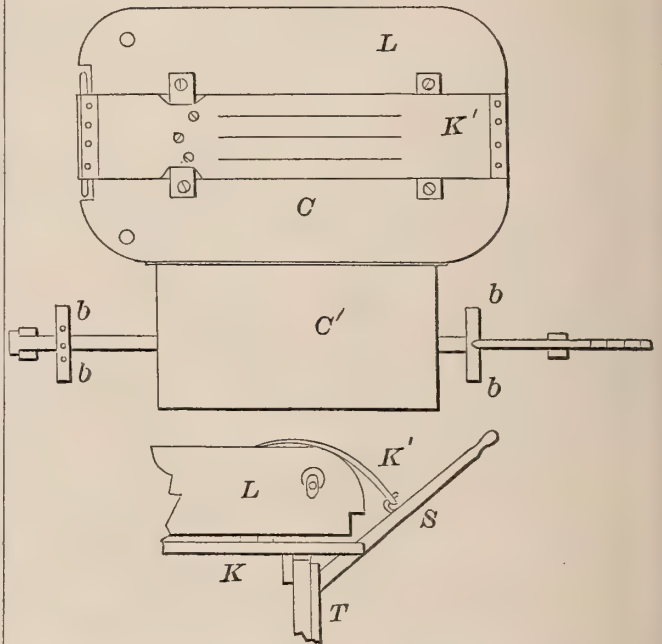
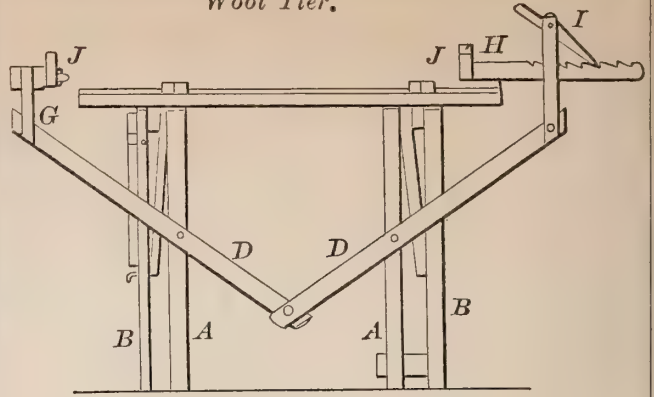
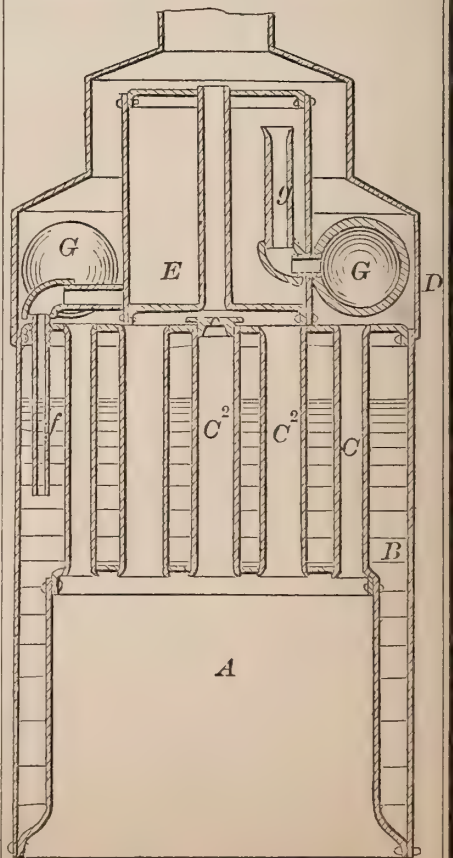
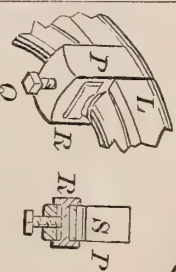
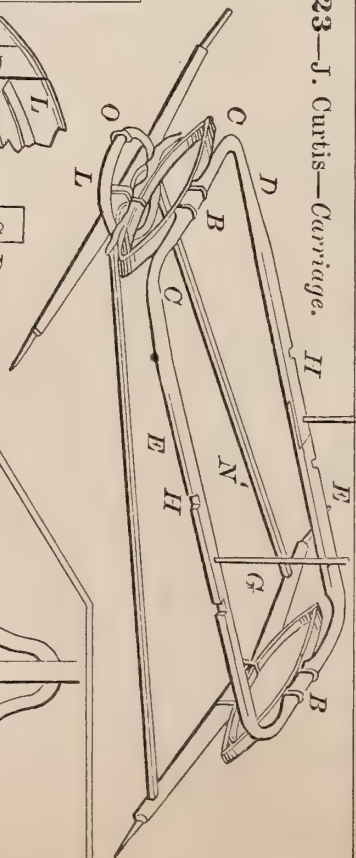
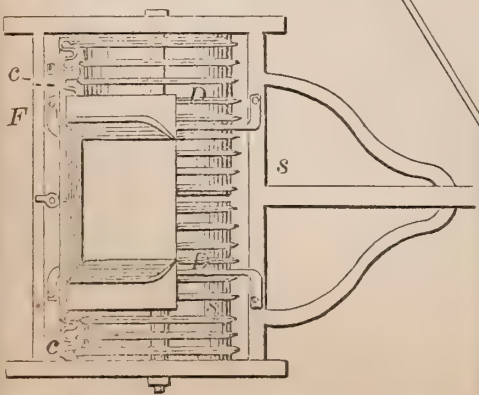
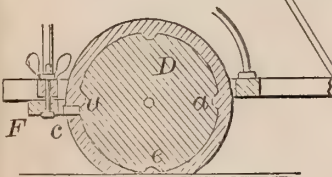
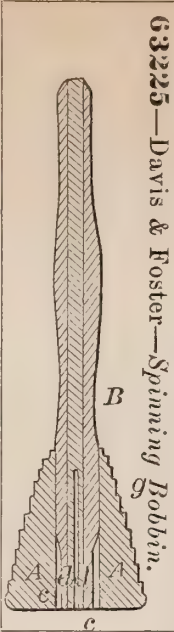
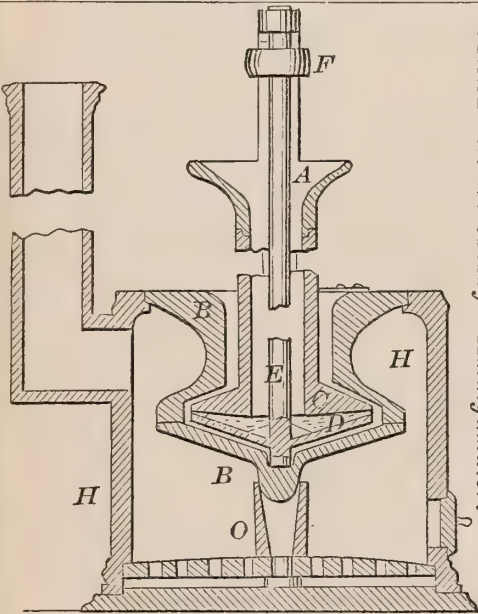
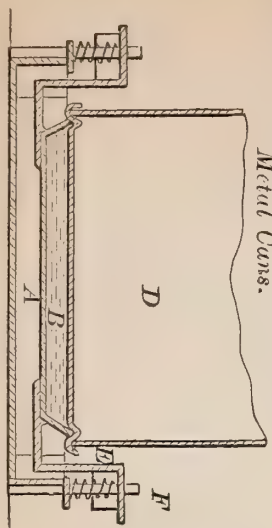
63219—A. M. Corbit—Corn Planter.



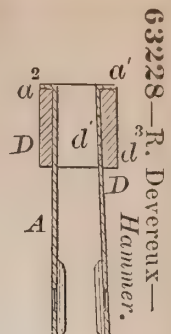
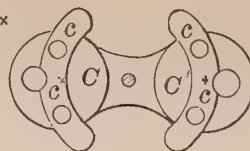
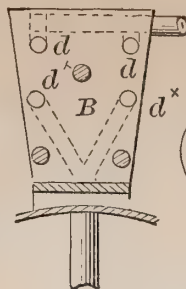
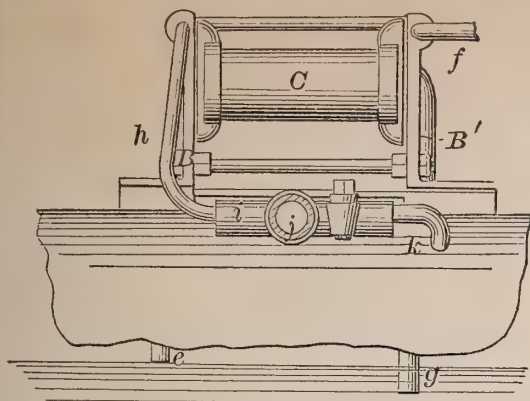
63218—G. M. Cole—Railroad Switch.





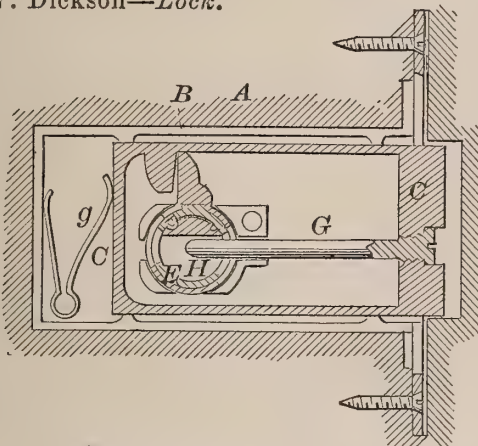
63222—A. M. Culver—*Sheep Holder and Wool Tier.*63226—R. W. & D. Davis—*Steam Generator.*63223—J. Curtis—*Carriage.*63224—J. Custer—*For Pulverizing Soil.*63221—F. W. Crosby—*Amalgamator.*63220—E. T. Covell—*For Soldering Metal Cans.*

63227—H. O. Demarest—Automatic Boiler Feeder.

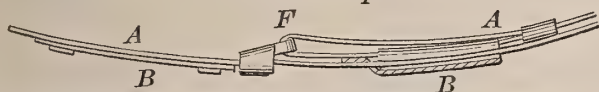


63228—R. Devereux—Hammer.

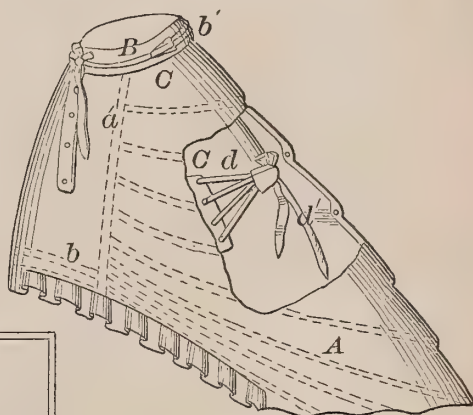
63230—W. Dickson—Lock.



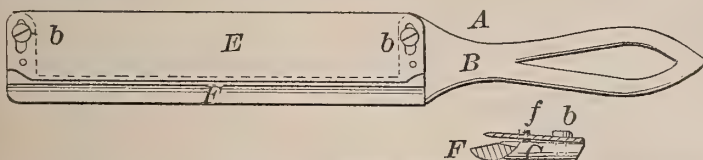
63233—A. Fellheimer—Hoop Skirt.



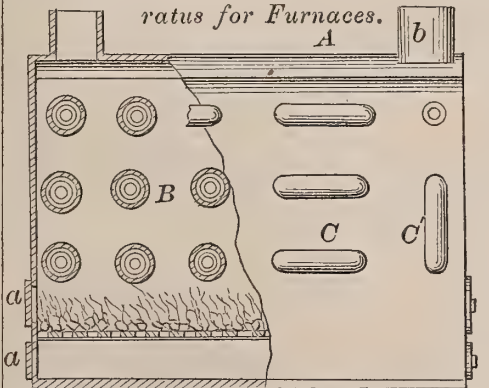
63234—L. Fellheimer—Hoop Skirt.



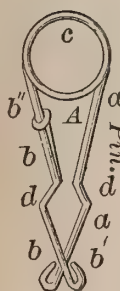
63236—A. M. Force—Meat Slicer.



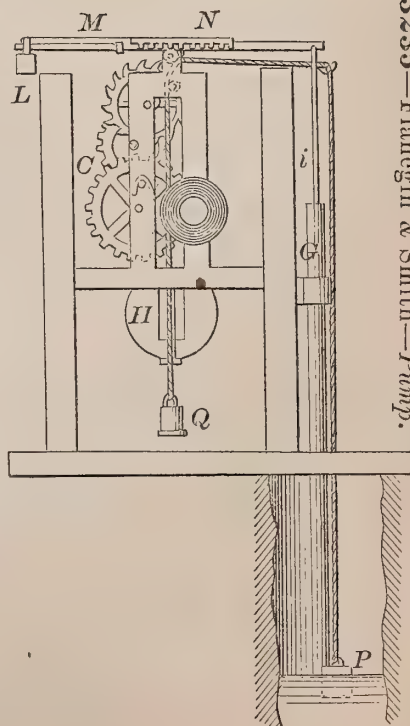
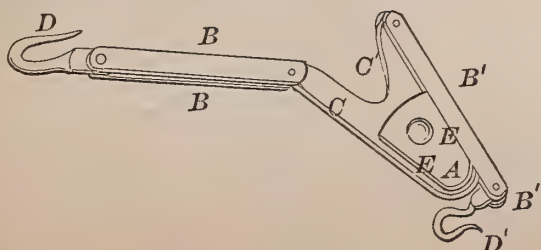
63237—J. Froggett—Hot Blast Apparatus for Furnaces.



63231—W. M. Doty—Clothes

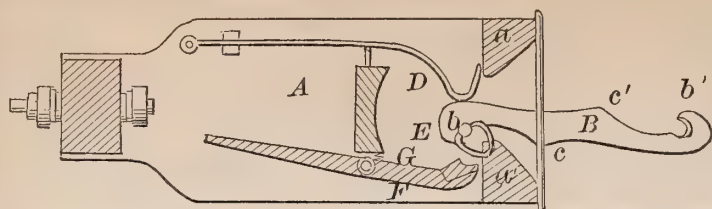
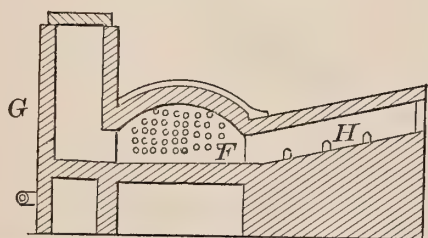
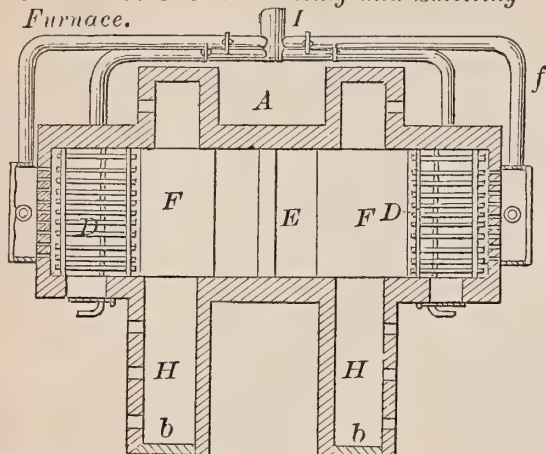
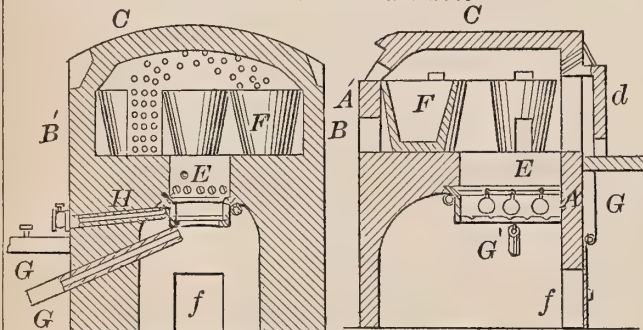
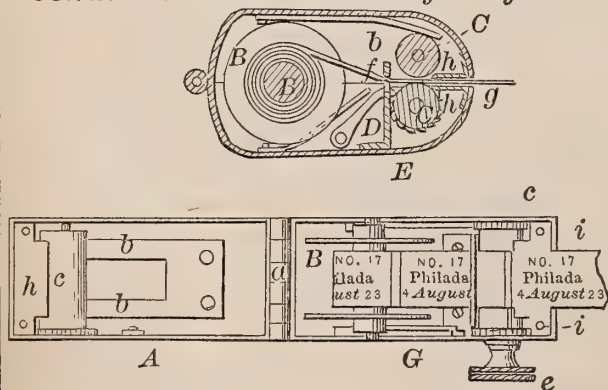
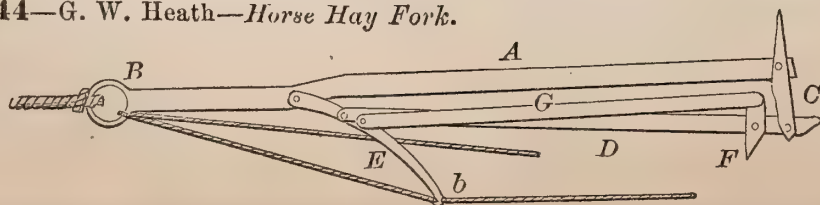
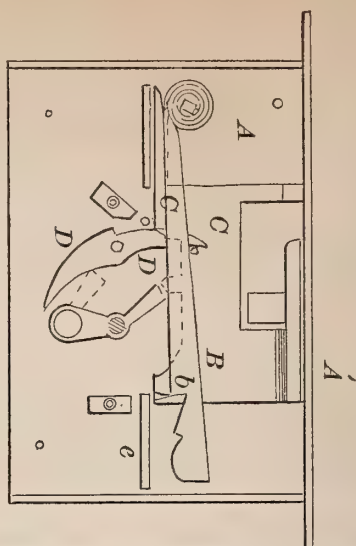
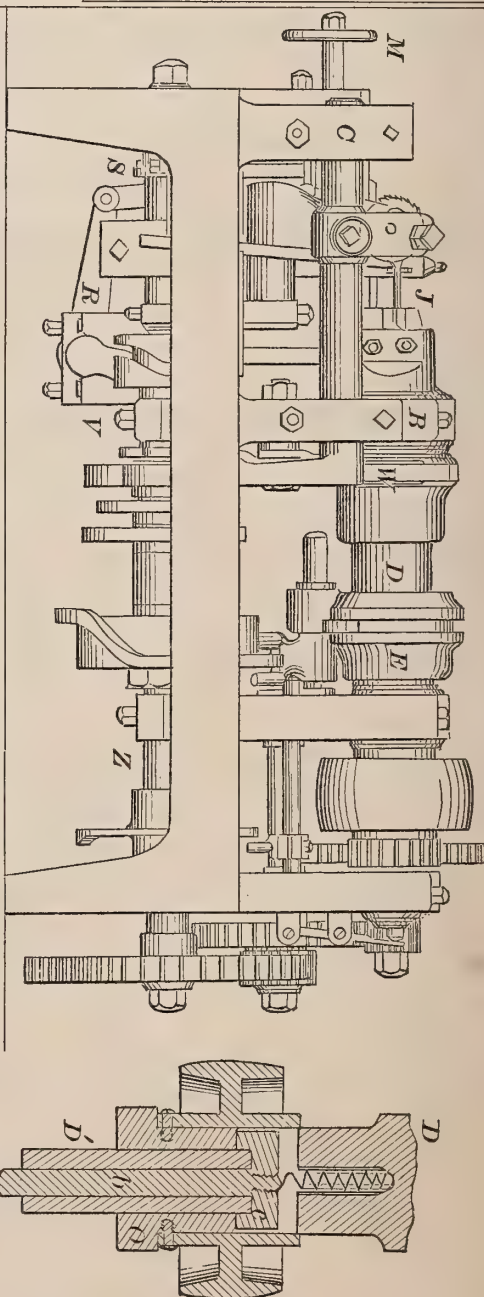


63238—M. Gally—Evener for Whiffletrees.

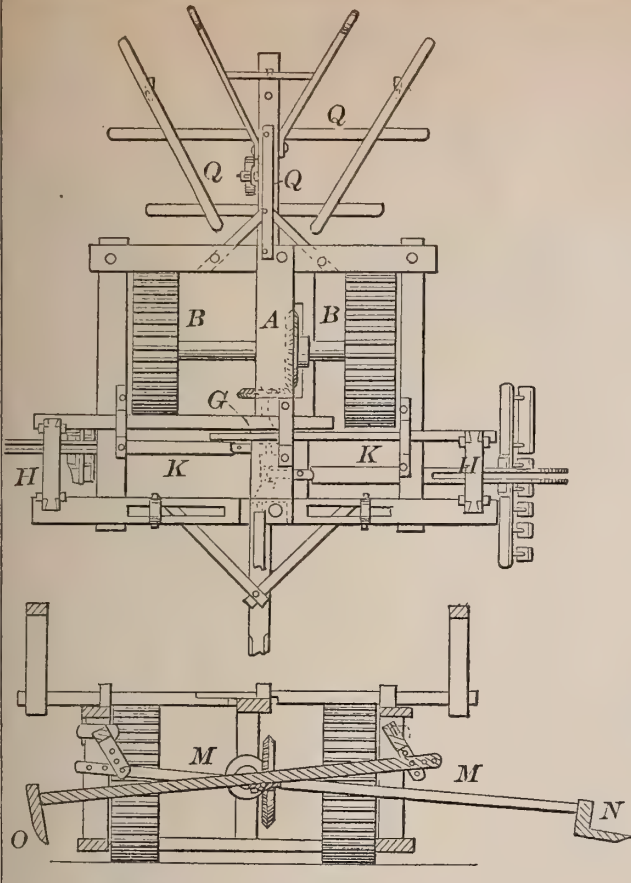


63235—Flange & Smith—Pump.

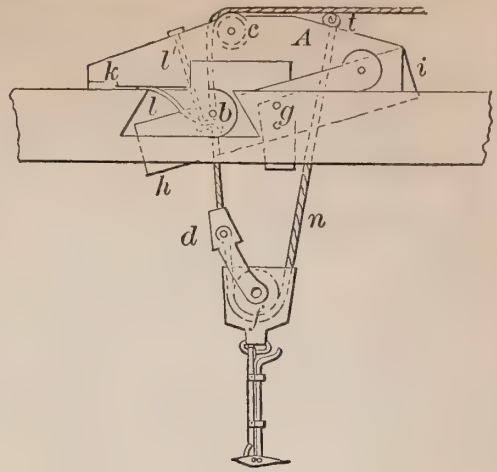


63239—J. B. German—*Car Coupling.*63240—J. Green—*Melting and Smelting Furnace.*63241—J. Green—*Glass Furnace.*63245—W. Helffricht—*Passenger Register.*63244—G. W. Heath—*Horse Hay Fork.*63242—Gschwind & Reichardt—*Trunk Lock.*63243—N. B. Hadley—*Machinery for Nicking Screws.*

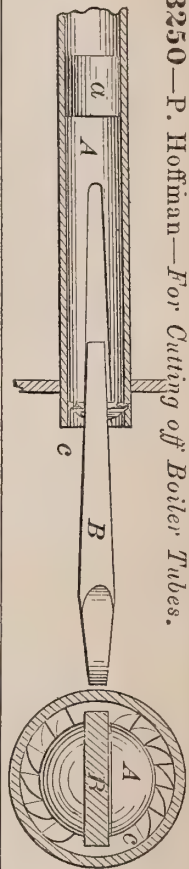
63246—R. B. Henderson—Cotton Cultivator.



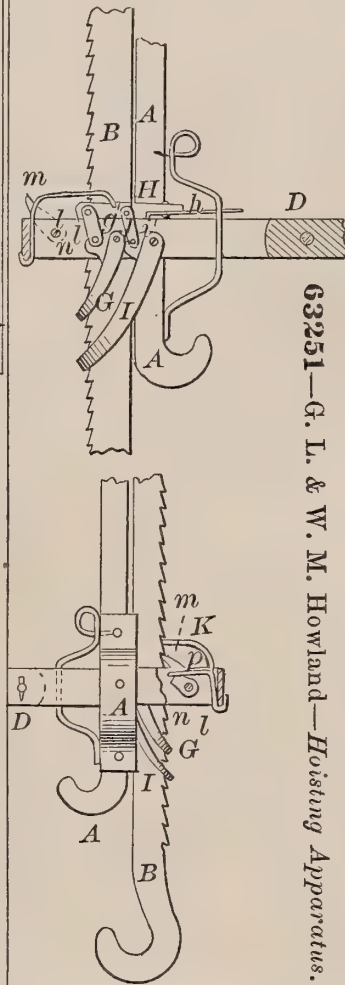
63248—E. Hicks—Elevator.



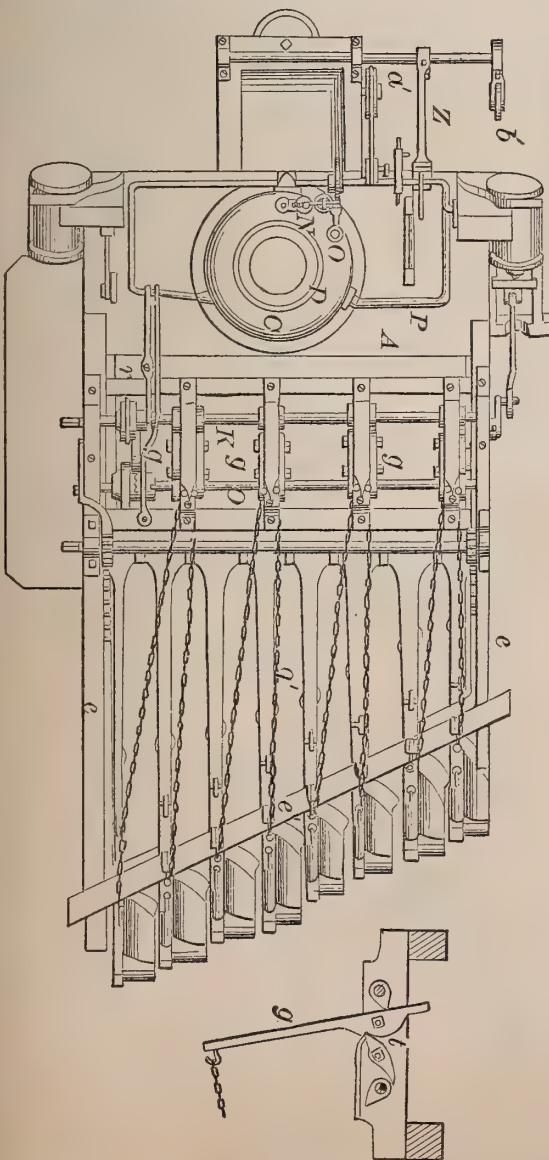
63250—P. Hoffman—For Cutting off Boiler Tubes.



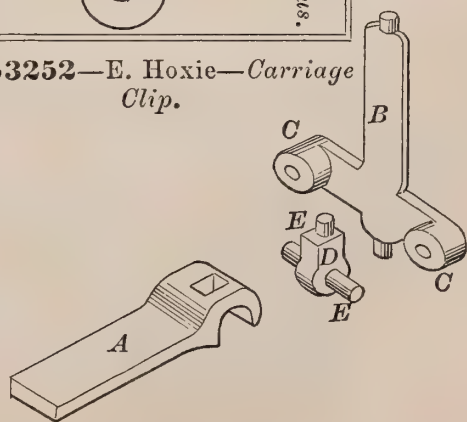
63251—G. L. & W. M. Howland—Hoisting Apparatus.



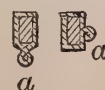
63247—W. H. H. Heydrick—Steam Gang Plow.



63252—E. Hoxie—Carriage Clip.

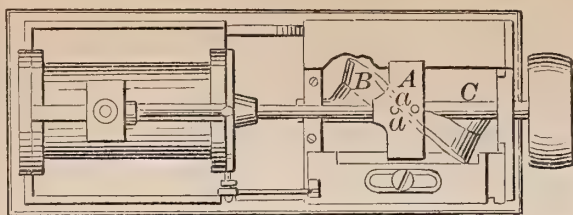


63253—G. W. Hubbell—Skirt Wire.

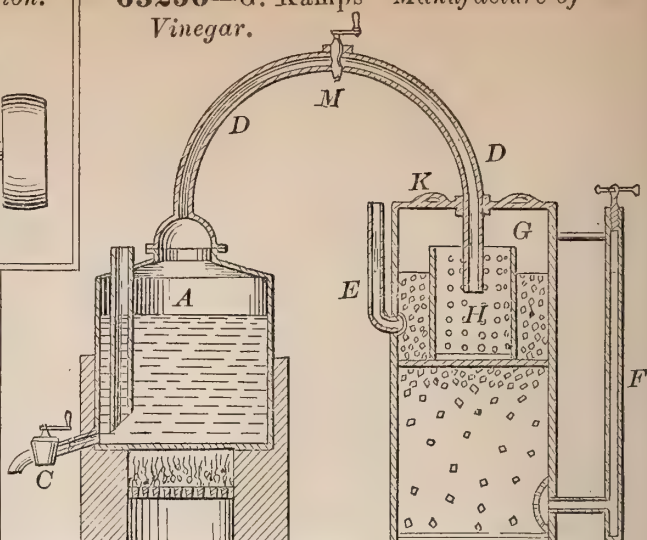




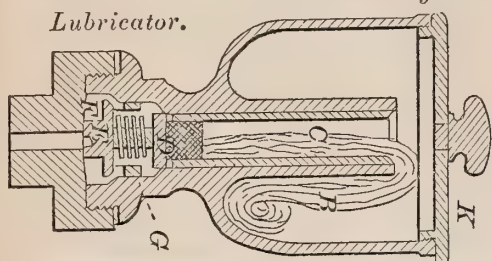
63254—W. H. Hurlbut—*Converting Motion.*



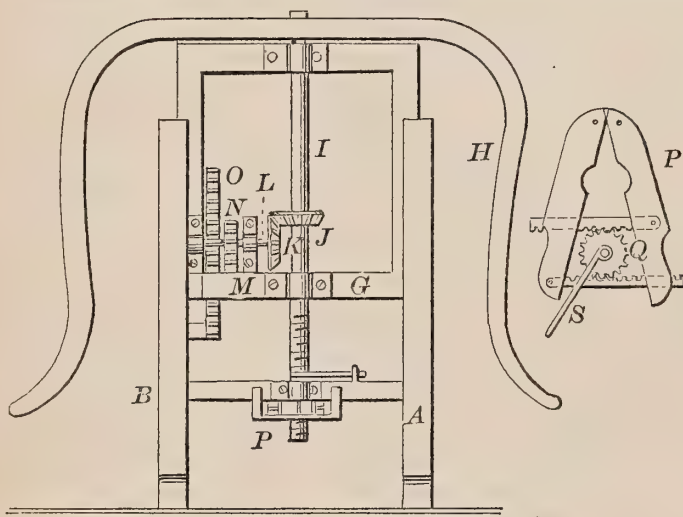
63256—G. Kamps—*Manufacture of Vinegar.* 



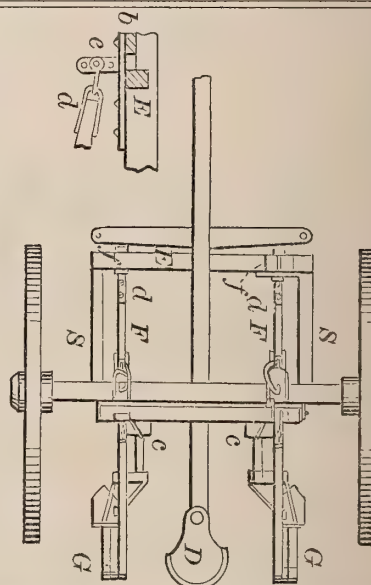
63257—H. Kessler—*Steam Engine Lubricator.*



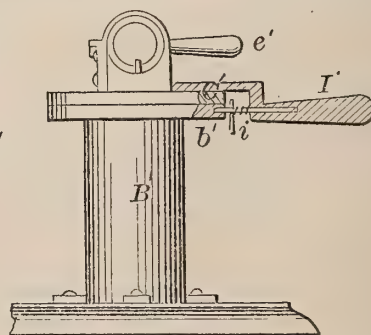
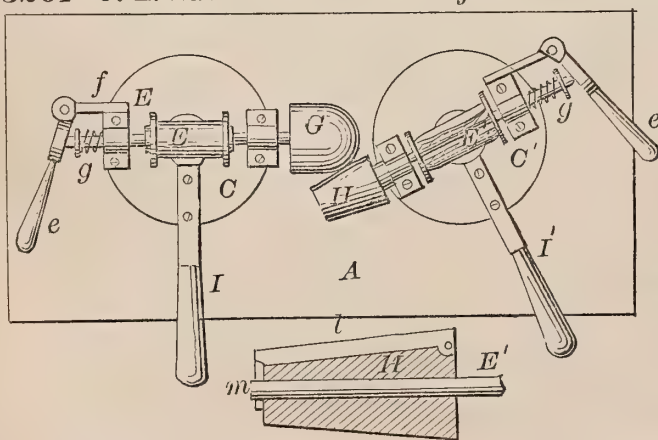
63258-D. King-Press.



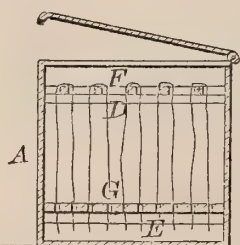
63260—H. P. Kynett—*Gang Plow.*



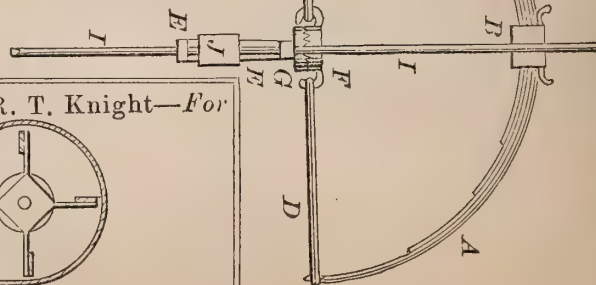
**63261**—J. L. Labiaux—*For Pouncing Hats.*



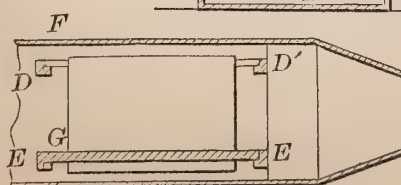
**63262**—E. G. Lamson—*Drill Spring for Quarrying Stone, &c.*



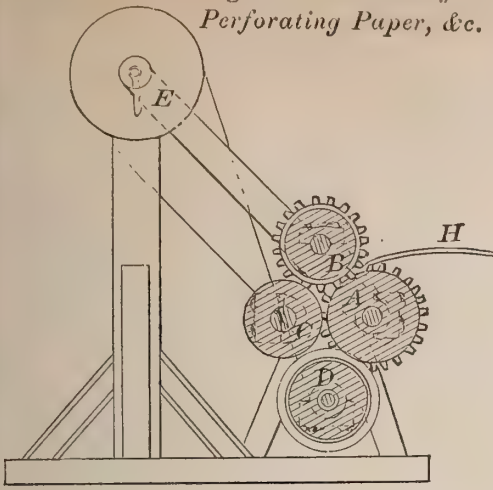
63259—R. T. Knight—For



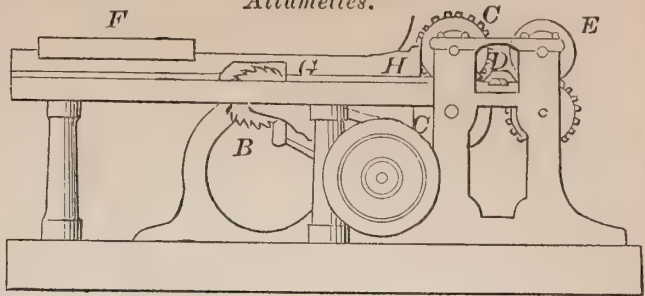
*Drying Straw Board, &c.*



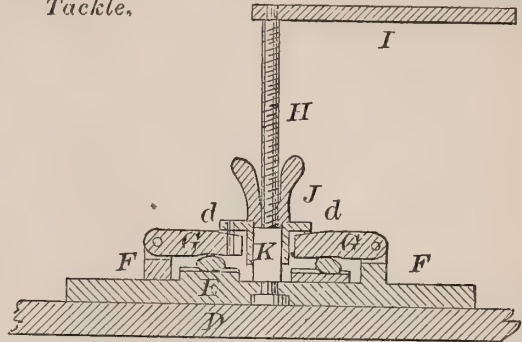
**63263**—C. Lang—*For Embossing and Perforating Paper, &c.*



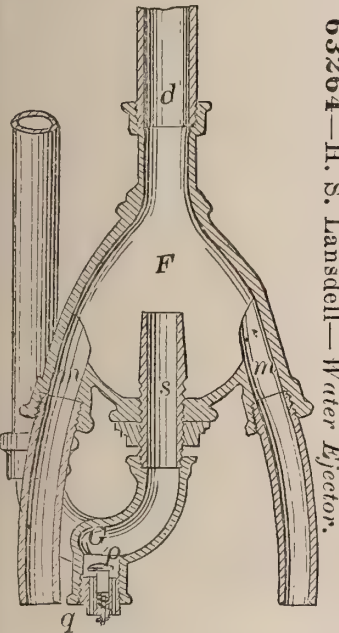
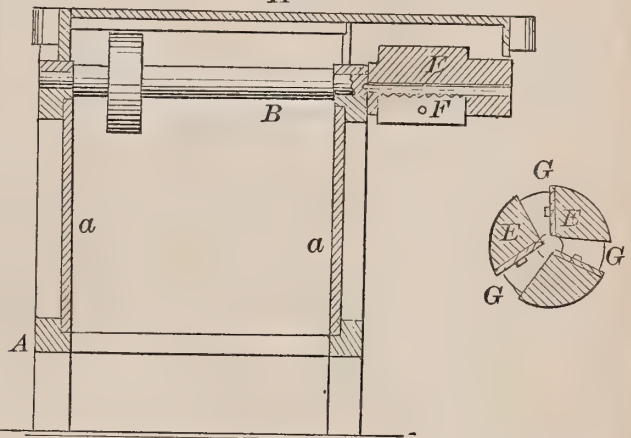
**63265**—B. B. Lehman—*For Making Paper Allumettes.*



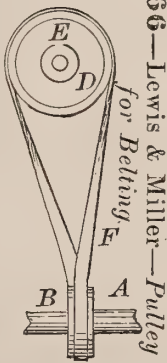
**63268**—J. A. Libbertz—*Bolt Detaching Tackle.*



**63270**—J. Lockwood—*Wire Pointing Machine.*



**63264**—H. S. Lansdell—*Water Ejector.*

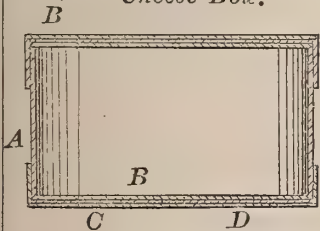


**63266**—Lewis & Miller—*Pulley for Belting.*

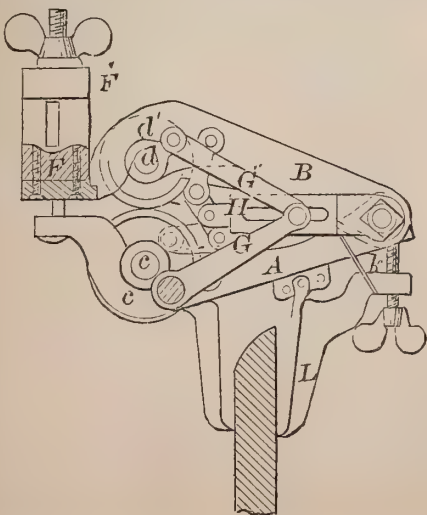


**63271**—C. E. Lombard—*Key.*

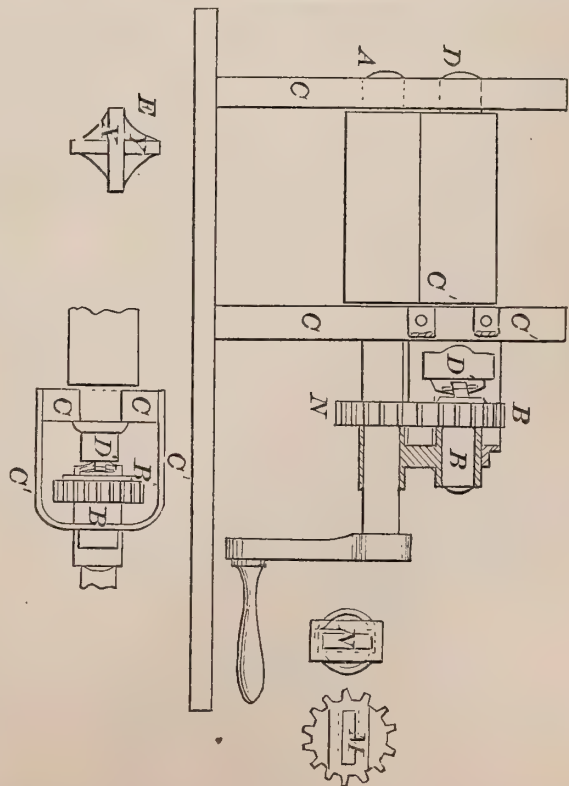
**63267**—N. & F. Lewis—*Cheese Box.*



**63273**—D. Lyman—*Clothes Wringer.*



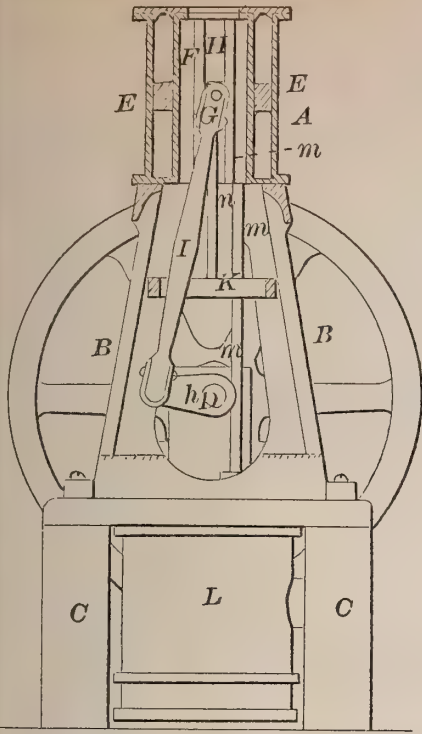
**63272**—D. Lyman—*Clothes Wringer.*



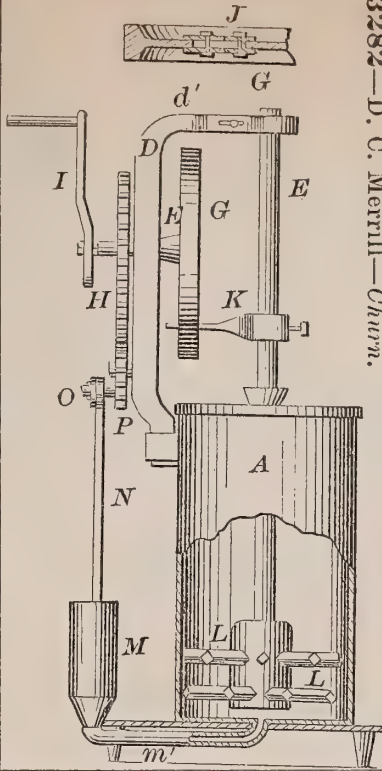




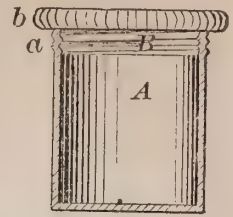
63281—J. V. Merrick—*Steam Engine.*



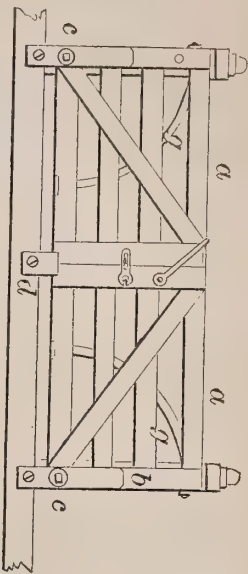
63282—D. C. Merrill—*Churn.*



63283—H. Miller—*Paint Can.*



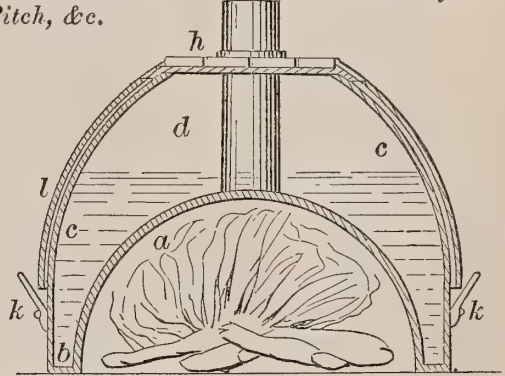
63288—J. S. Neal—*Farm Gate.*



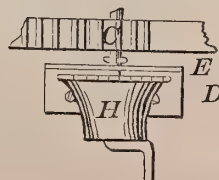
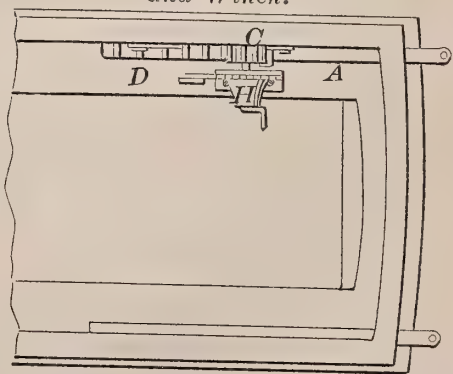
63285—W. H. Miller—*Piston Rod Packing.*



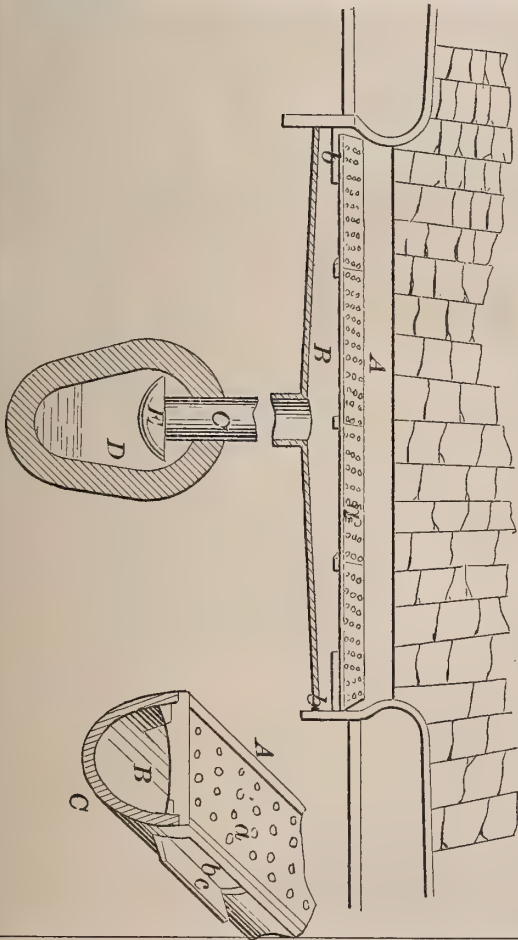
63286—L. S. Mills—*Portable Boiler for Pitch, &c.*



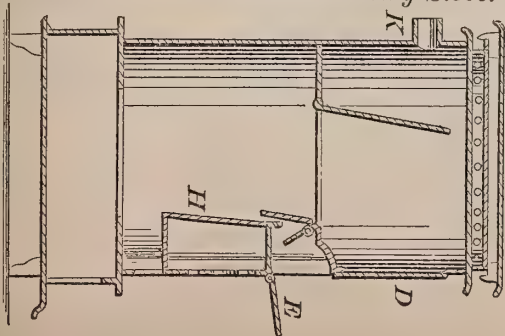
63289—D. P. Nickerson—*Ship's Davit and Winch.*



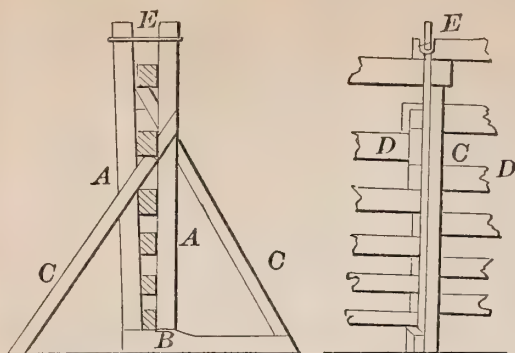
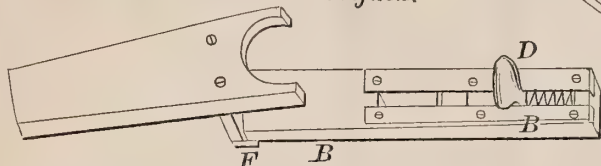
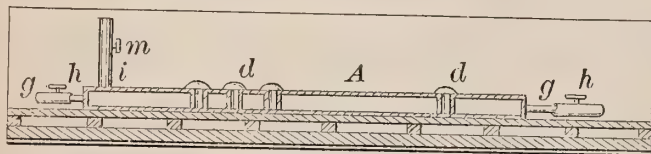
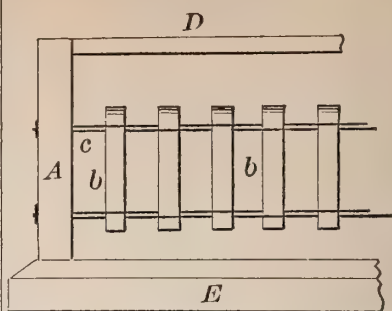
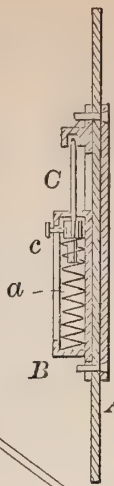
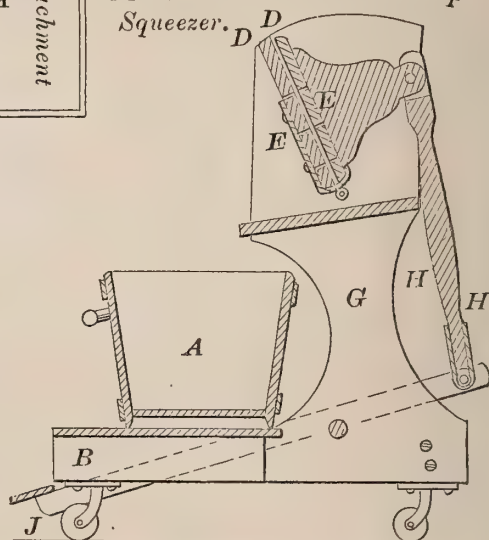
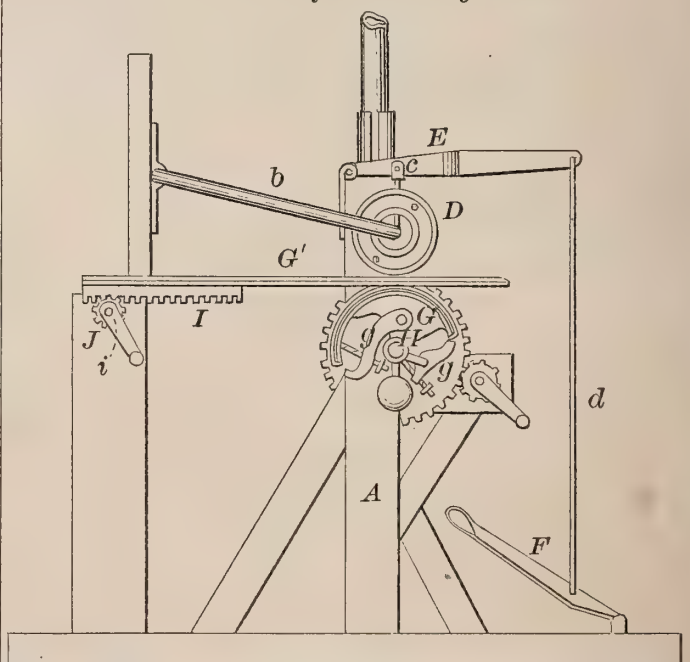
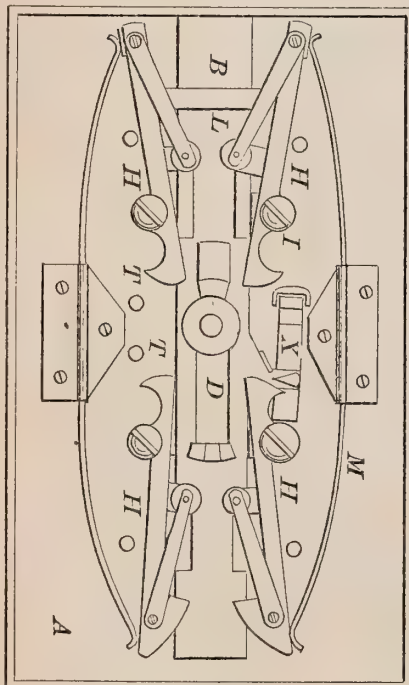
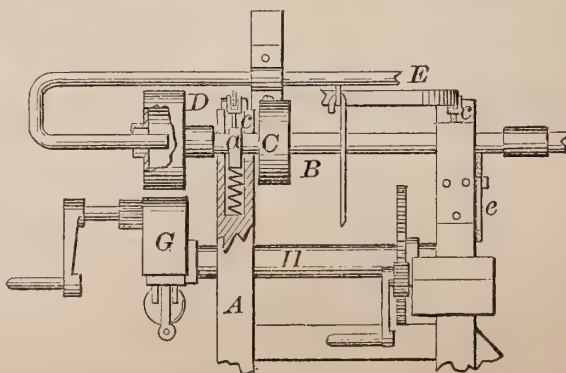
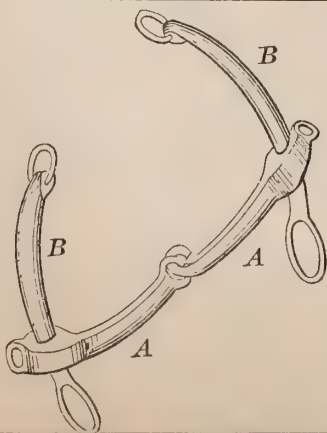
63284—J. A. Miller—*Street Crossing and Sewer Inlet.*



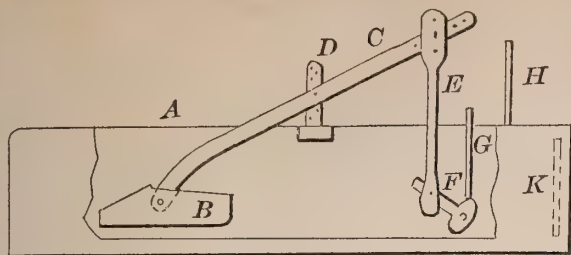
63287—G. R. Moore—*Heating Stove.*



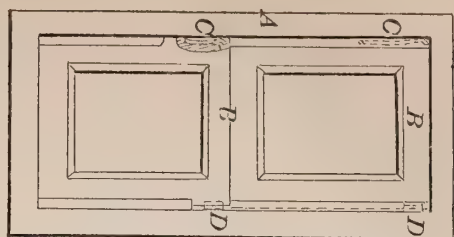


63290—A. W. Olds—*Field Fence.*63292—W. S. Pepper—*Bootjack.*63293—A. G. Polhameus—*Tank for Steamboat Timbers.*63296—A. W. Pratt—*Fence.*63291—S. B. Parker—*Safety Attachment for Pocket Books.*63294—E. N. Porter—*Mop Squeezer.*63301—P. O. Thayne—*Ironing Machine.*63295—Porter & Hallett—*Door Lock.*63297—J. C. Price—*Brille Bit.*

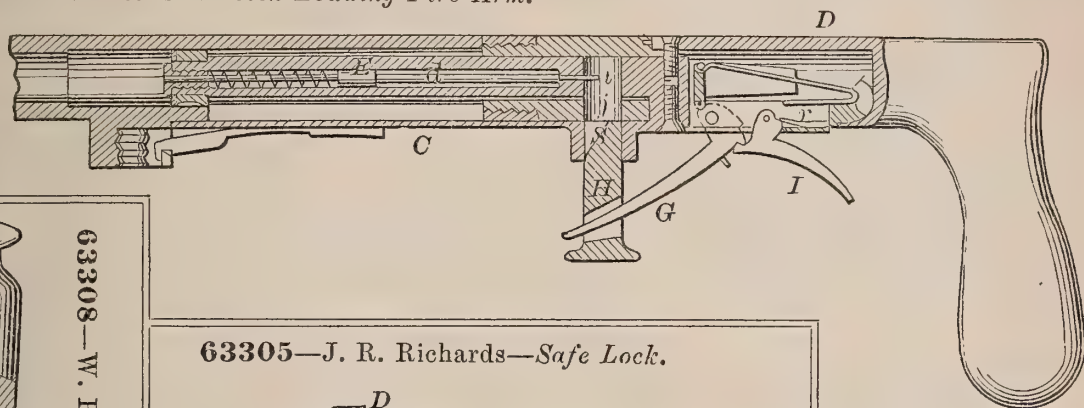
63302—H. Recher—*Water Gate.*



63306—O. M. Ridgway—*Sash Fastener.*

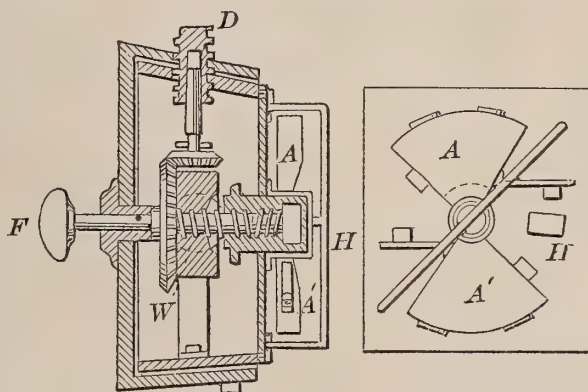


63303—T. Restell—*Breech-Loading Fire Arm.*

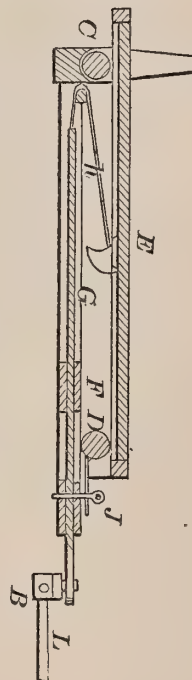


63308—W. Runte—*Tool Handle.*

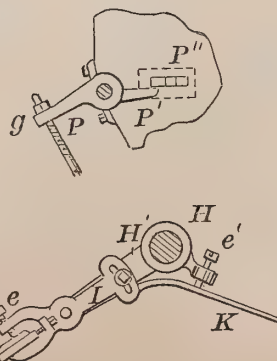
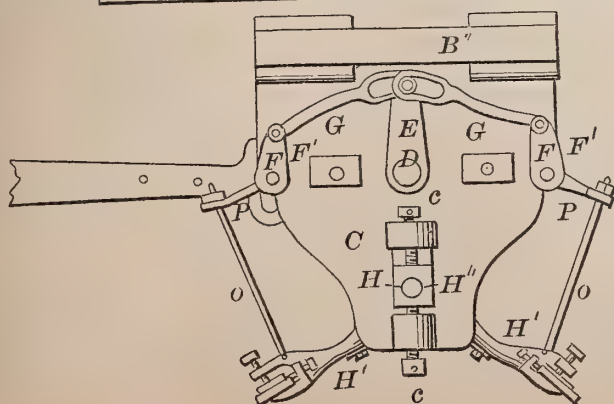
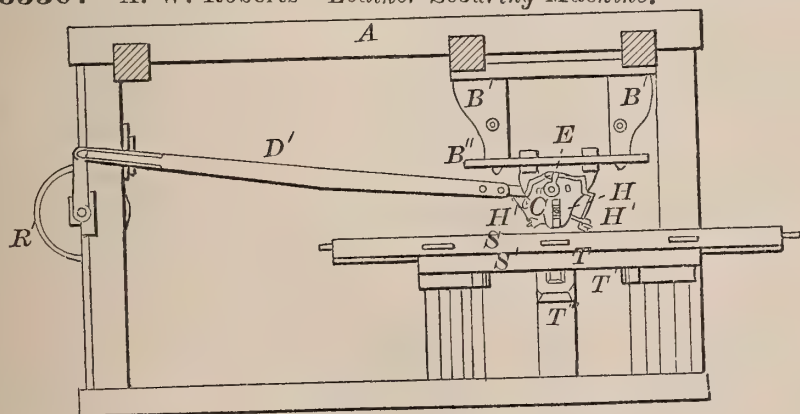
63305—J. R. Richards—*Safe Lock.*



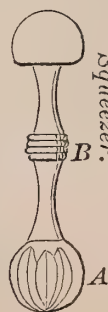
63309—B. Ryder, Jr.—*Wagon.*



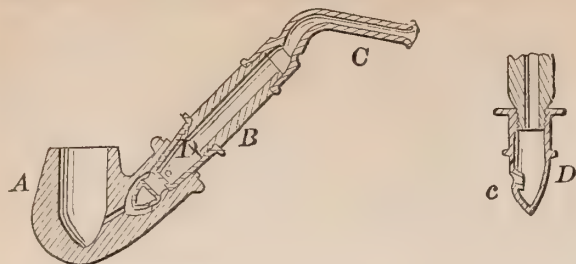
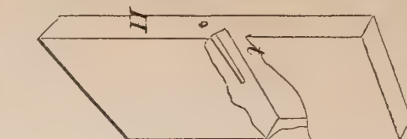
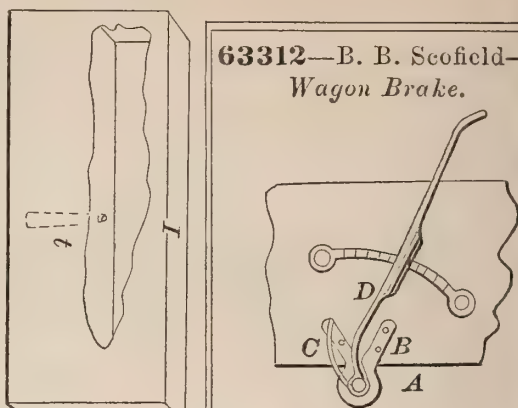
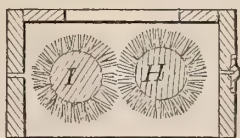
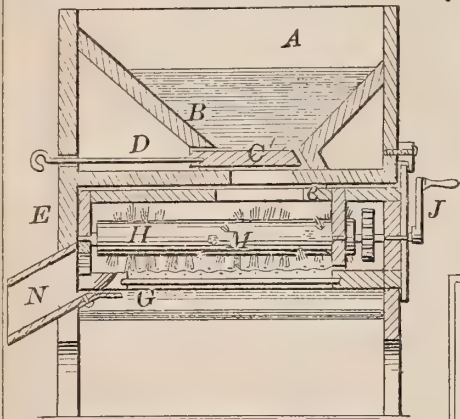
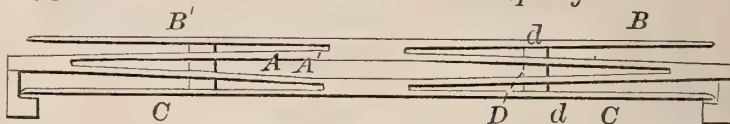
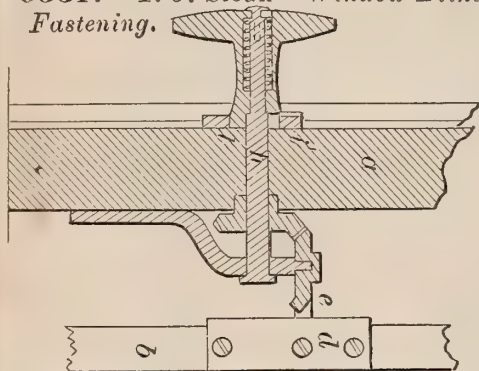
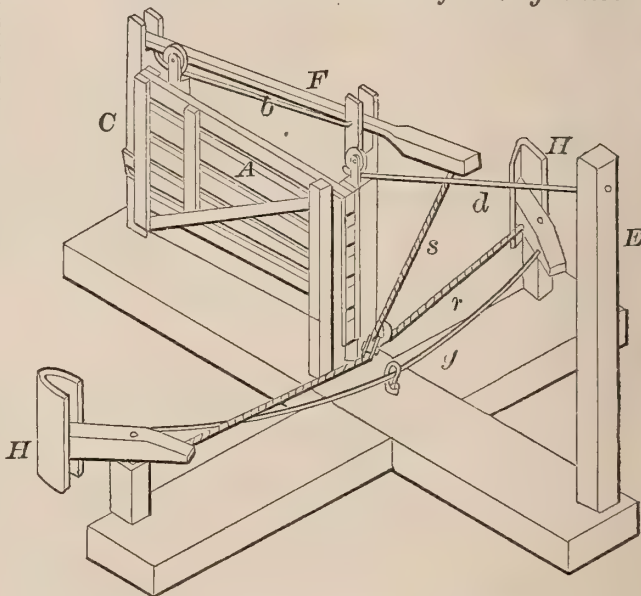
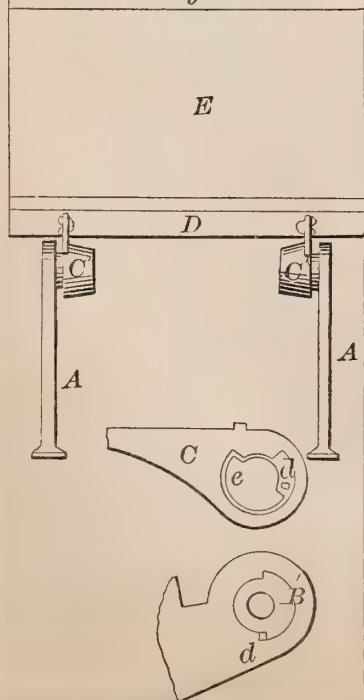
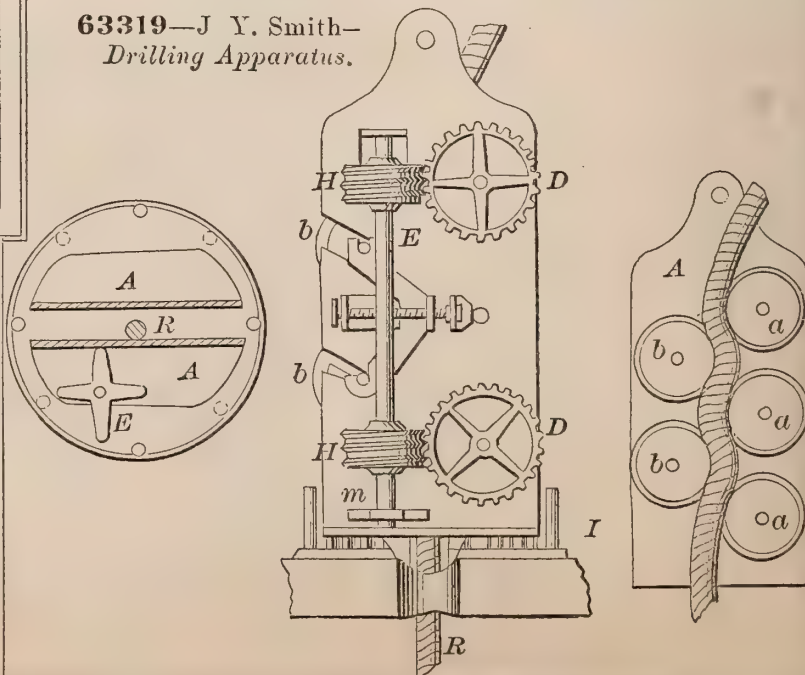
63307—A. W. Roberts—*Leather Scouring Machine.*



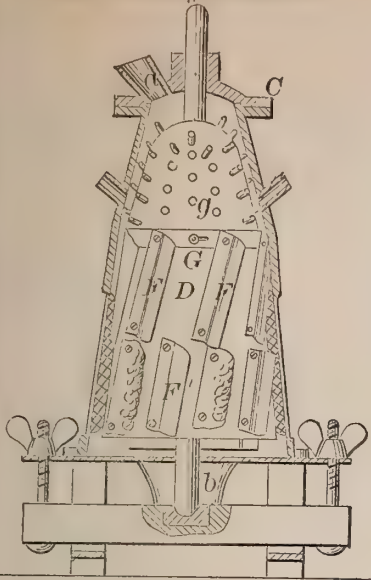
63304—A. J. T. Reuter—*Lemon Squeezer.*



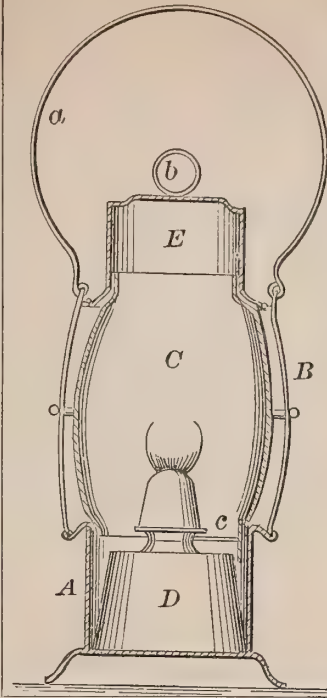


63310--L. Saarbach--*Tobacco Pipe.*63311--R. S. Sanborn--*Fireproof Safe.*63312--B. B. Scofield--*Wagon Brake.*63316--J. A. Sinclair--*Flour Sifter.*63313--H. G. Seekins--*Bed Bottom Spring.*63317--T. J. Sloan--*Window Blind Fastening.*63318--A. C. Smith--*Self-Acting Gate.*63315--C. W. Sherwood--*Folding Seat.*63319--J. Y. Smith--*Drilling Apparatus.*

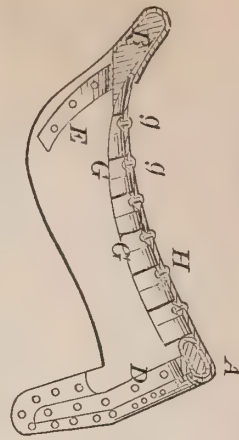
**63320**—D. H. Southworth—*Rice Hulling Machine.*



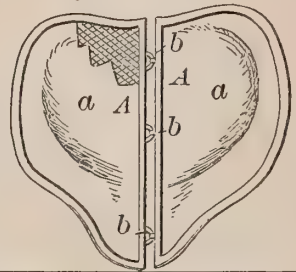
**63321**—C. F. Spencer—*Lantern.*



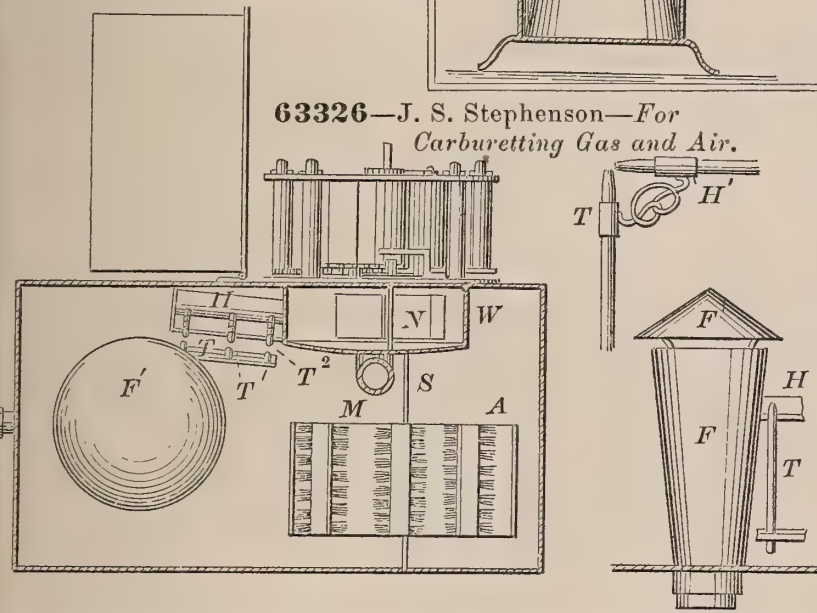
**63322**—S. S. Spurgin—*Riding Saddle.*



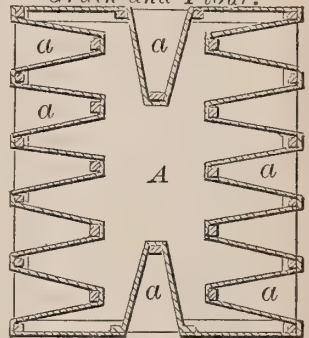
**63323**—Stadermann & Sauerbier—*Breast Protector.*



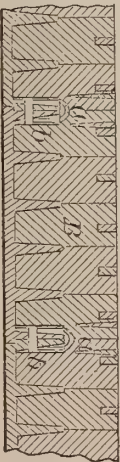
**63326**—J. S. Stephenson—*For Carburetting Gas and Air.*



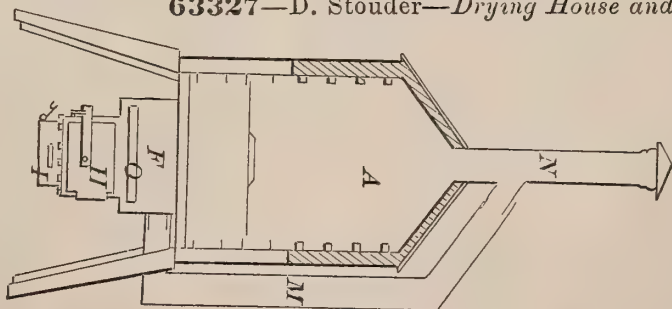
**63325**—H. Stanley—*Reservoir for Cooling Grain and Flour.*



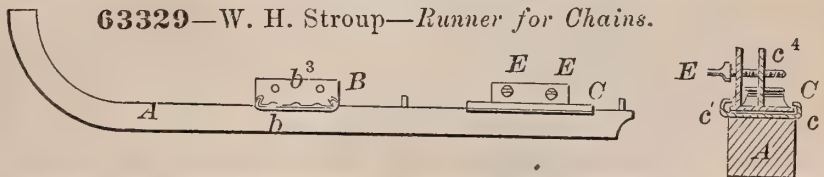
**63324**—C. W. Stafford—*Pavement.*



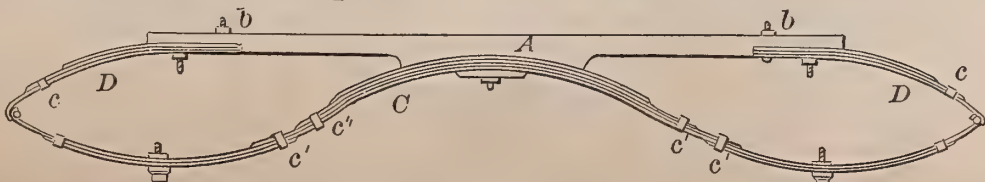
**63327**—D. Stouder—*Drying House and Oven.*



**63329**—W. H. Stroup—*Runner for Chains.*

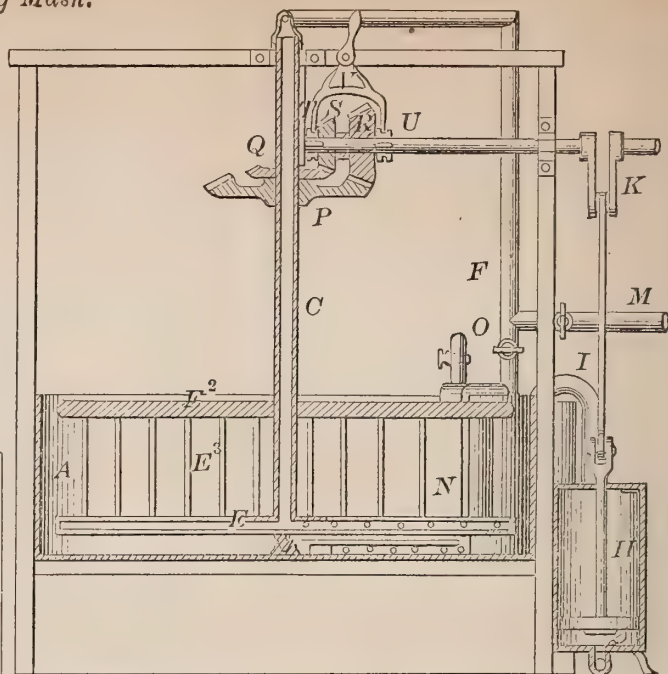
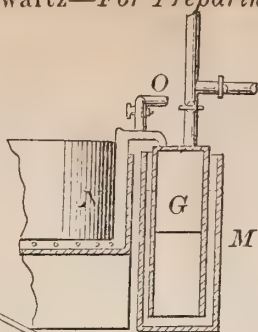


**63330**—J. B. Stuart—*Vehicle Spring.*

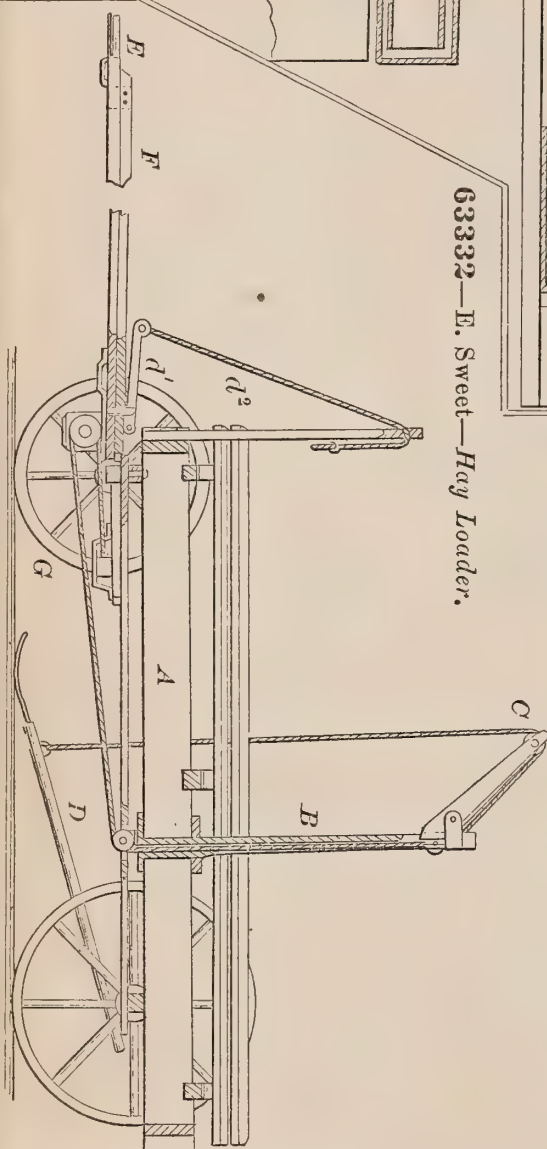




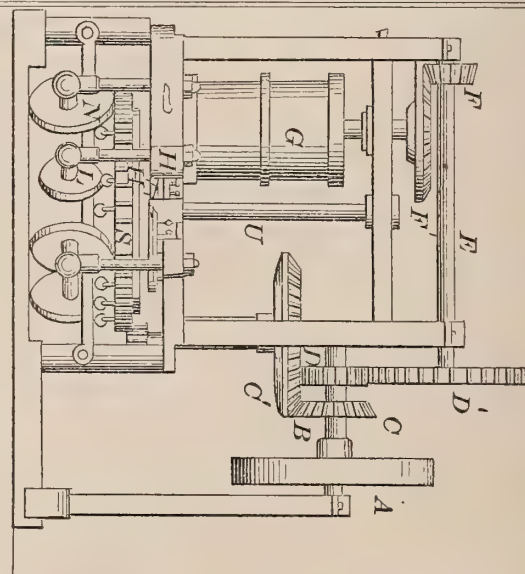
63331—A. S. Swartz—For Preparing Mash.



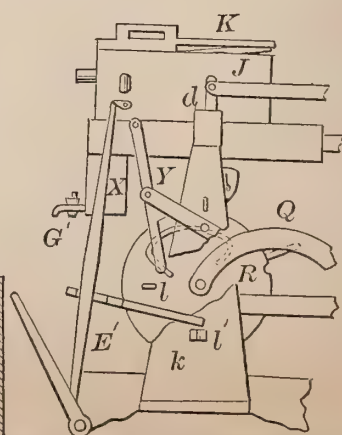
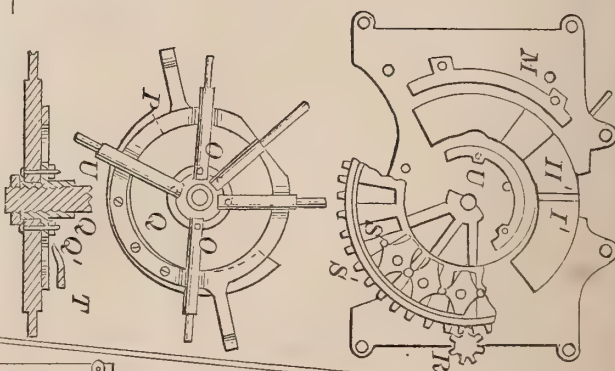
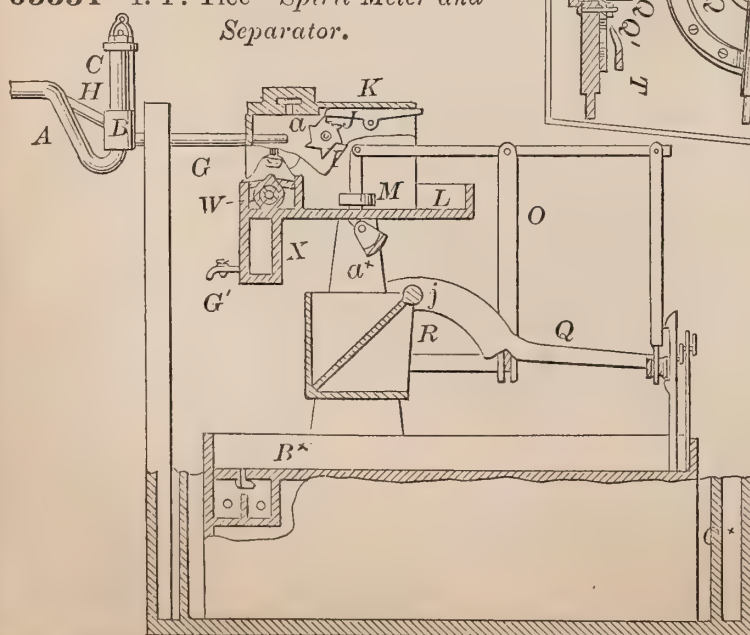
63332—E. Sweet—Hay Loader.



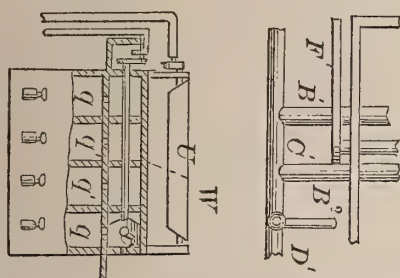
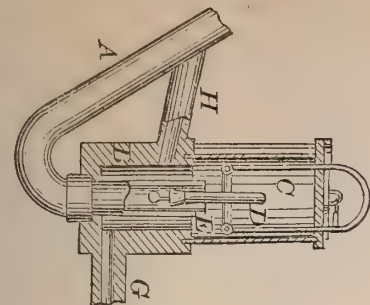
63333—P. L. Sword—Brick Machine.



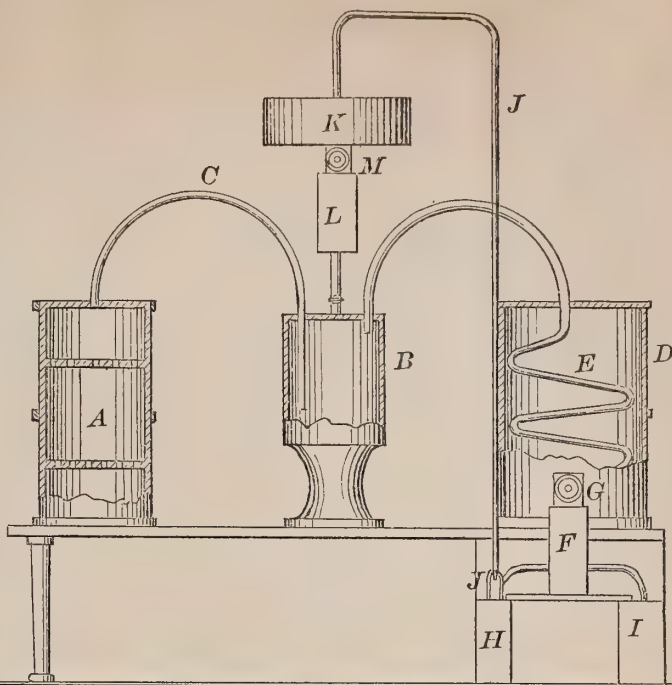
63334—I. P. Tice—Spirit Meter and Separator.



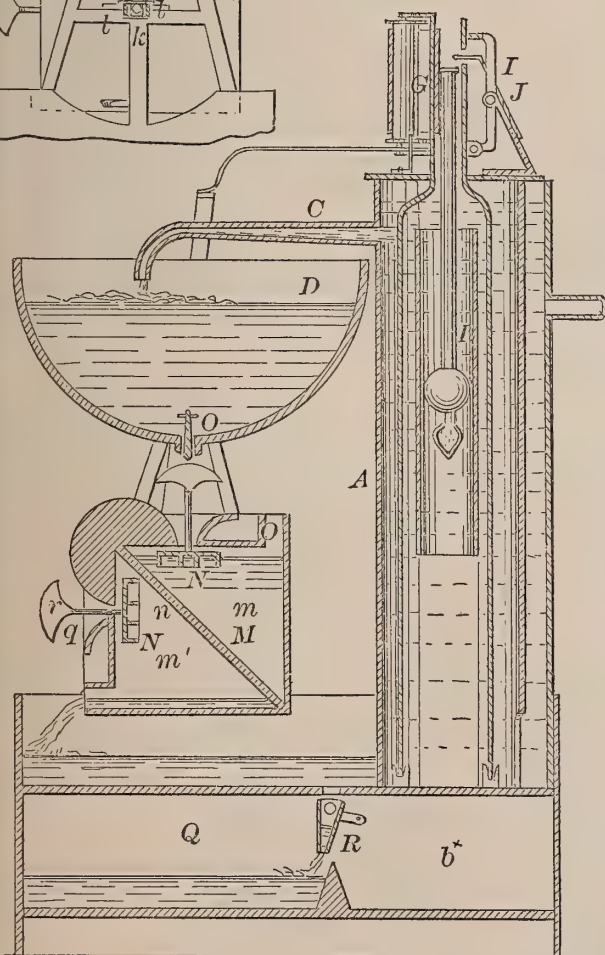
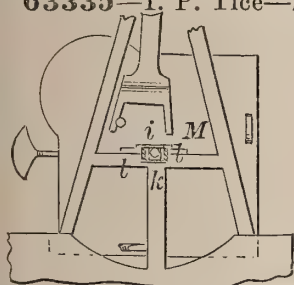
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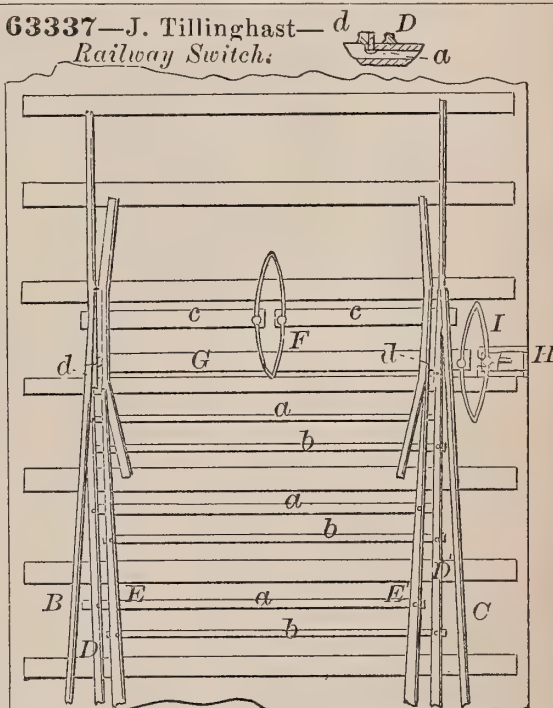
**63336**—I. P. Tice—*Meter Attachment for Stills.*



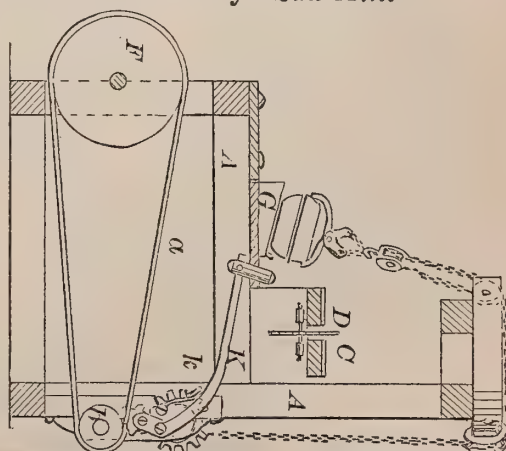
63335—I. P. Tice—*Spirit Meter and Separator.*



63337—J. Tillinghast—*d* *D*  
*Railway Switch:*  *a*



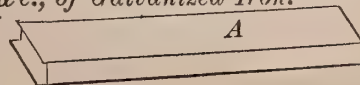
63340—J. Tracy—*Saw Mill.*



63338—W. Tingley—*Well Drill.*

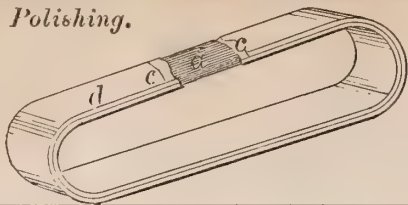


**63339**—S. P. Townsend—*Manufacture of Railroad Ties, Bridges, &c., of Galvanized Iron.*

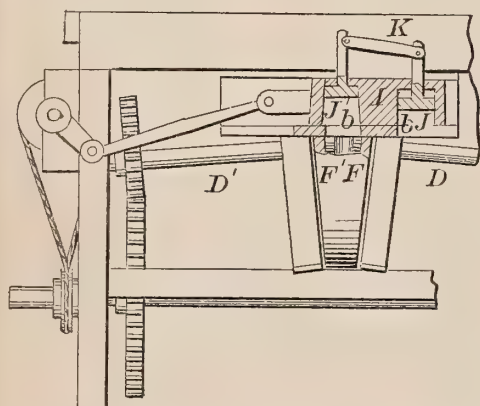
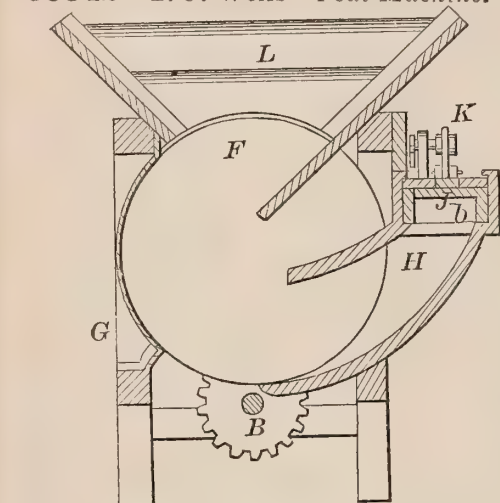




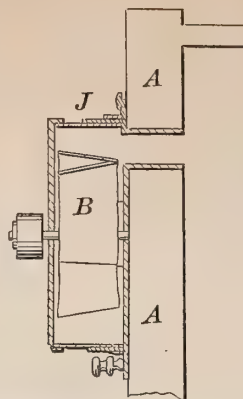
**63341**—J. A. Traut—*Endless Belt for Polishing.*



**63342**—T. J. Wells—*Peat Machine.*



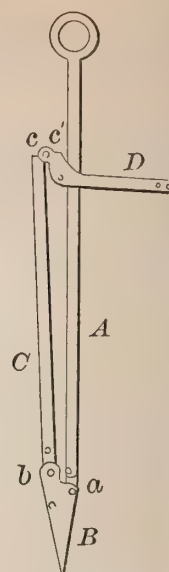
**63343**—A. Westcott—*Fan Wheel Blower.*



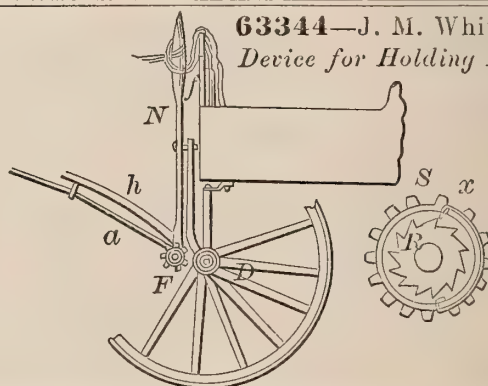
**63350**—C. S. Williamson—*Securing Cutters to Sickle Bars.*



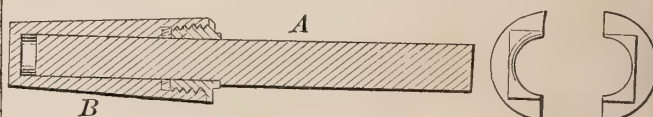
**63345**—Wicke & Evans—*Horse Hay Fork.*



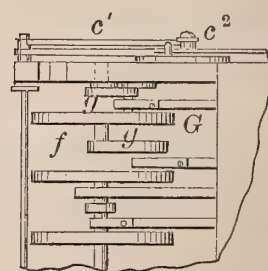
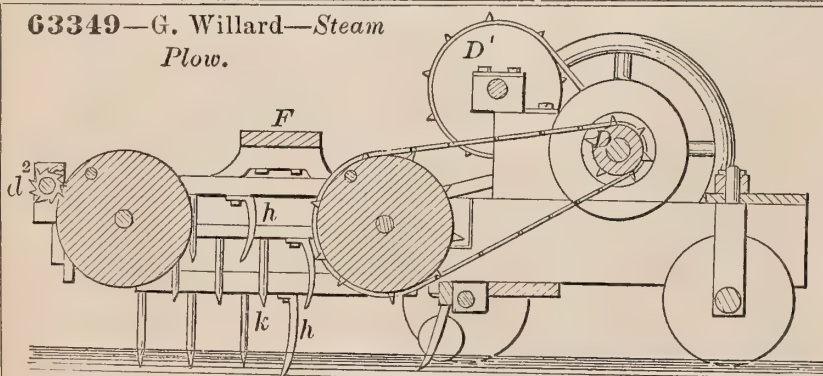
**63344**—J. M. Whiting—*Device for Holding Horses.*



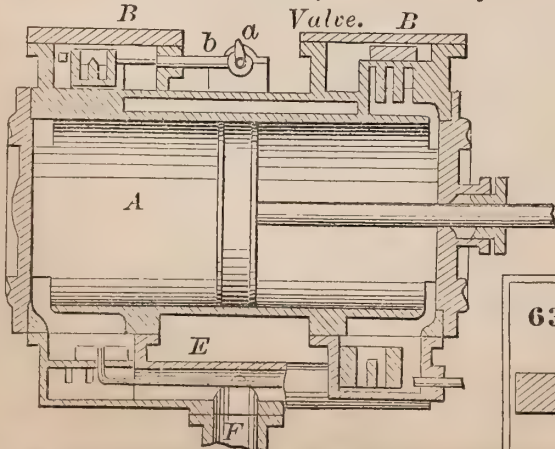
**63348**—J. W. Wilkie—*Axletree.*



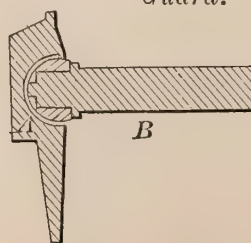
**63349**—G. Willard—*Steam Plow.*



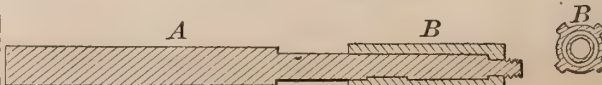
**63351**—J. A. Woodbury—*Steam Engine Valve.*



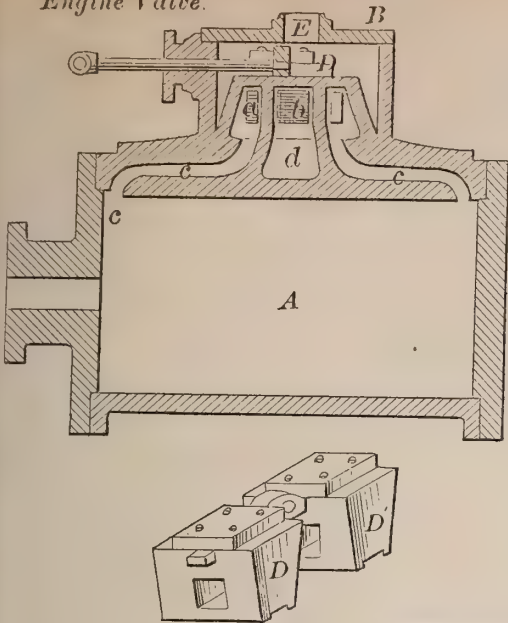
**63346**—Wiggin & Crosby—*Heel Shaving Guard.*



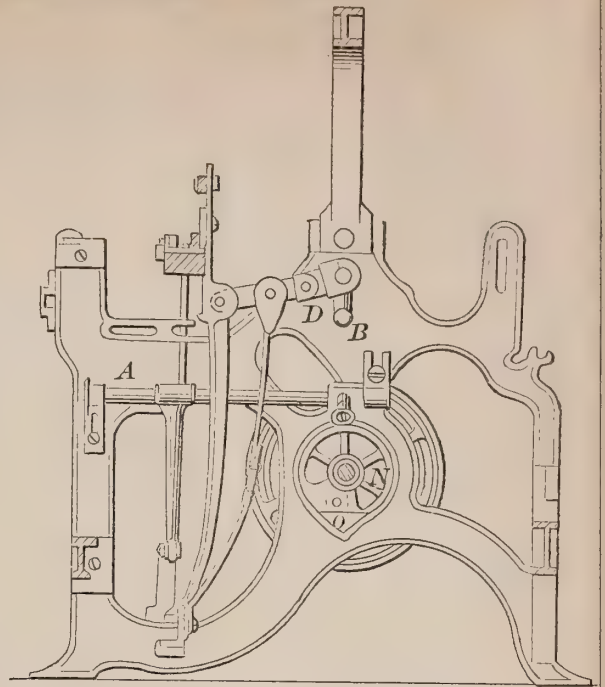
**63347**—J. W. Wilkie—*Axletree.*



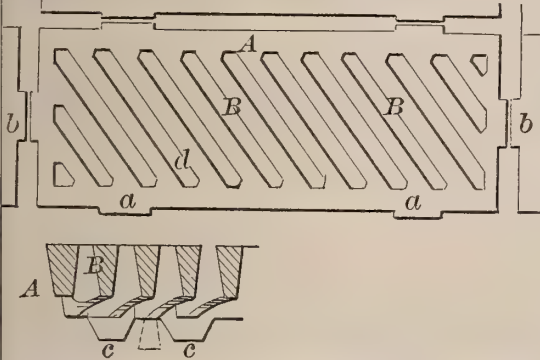
**63352**—J. A. Woodbury—*Steam Engine Valve.*



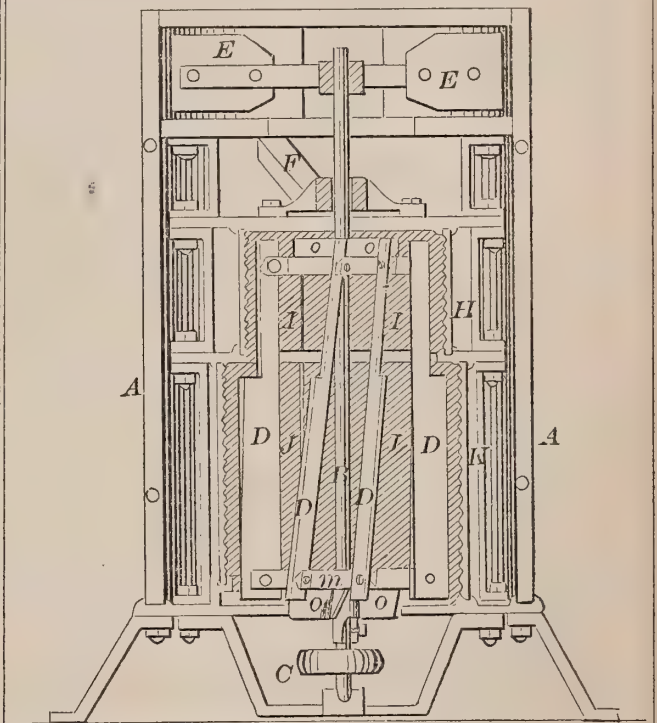
**63353**—C. Zwicky—*Loom.*



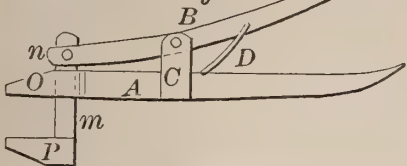
**63354**—H. Adams—*Furnace Grate.*



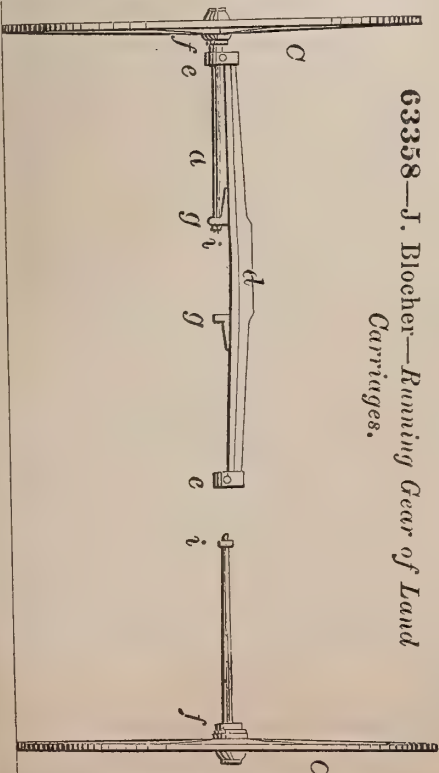
**63355**—Allen & Marshall—*Smut Machine.*



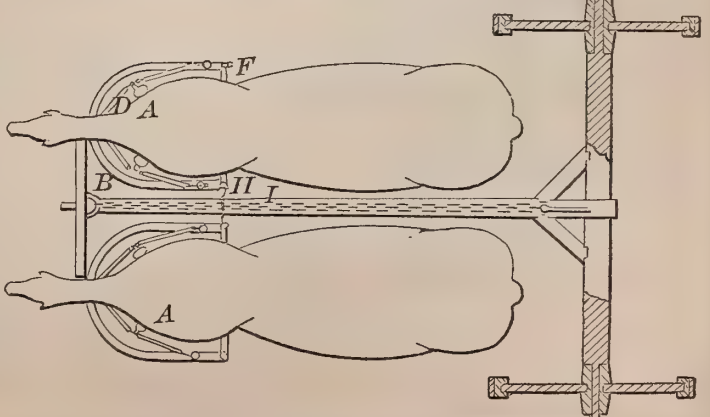
**63356**—J. N. Arvin—*Wrench and Tongs.*



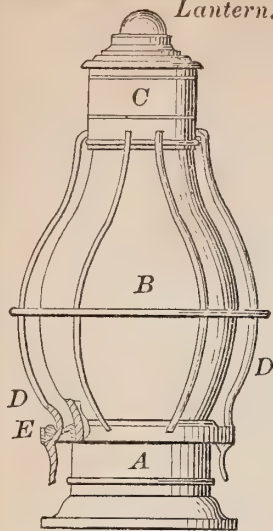
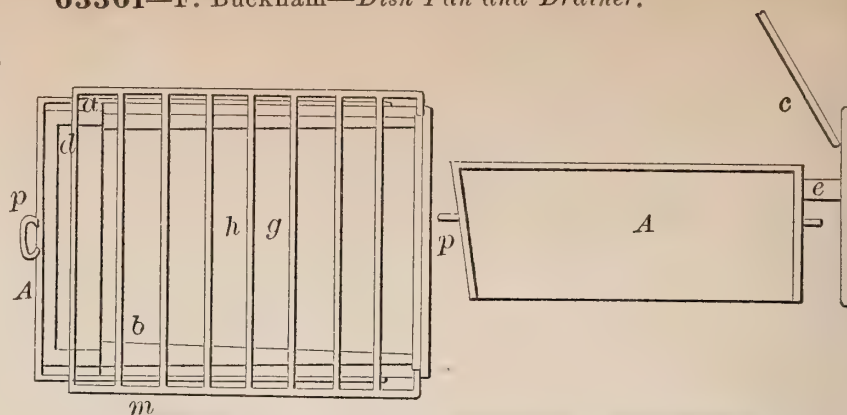
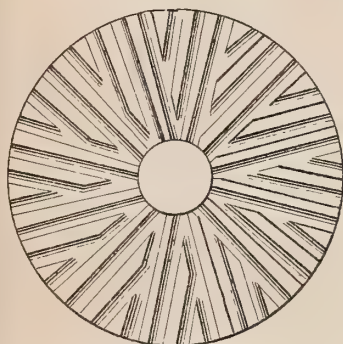
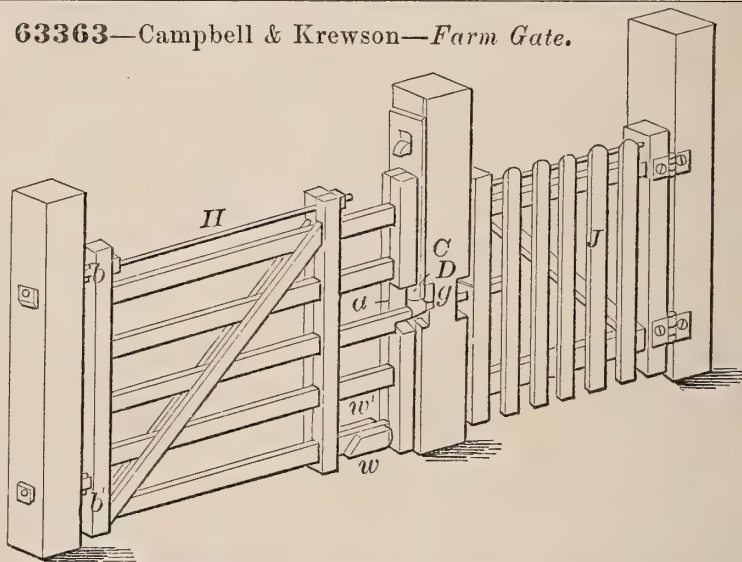
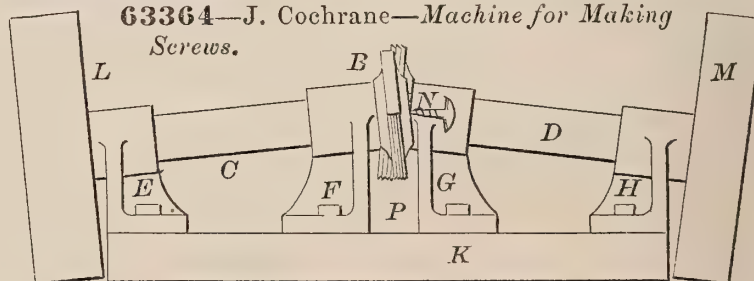
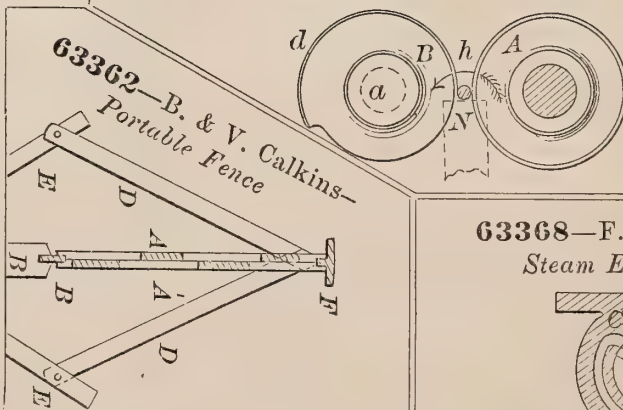
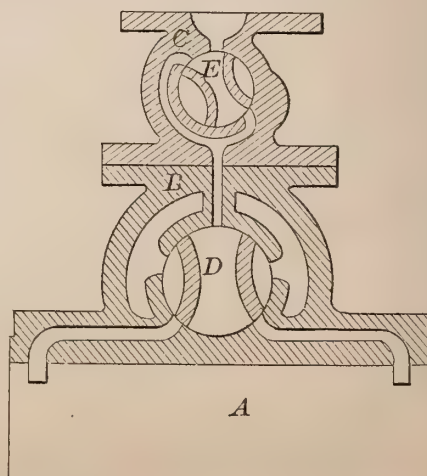
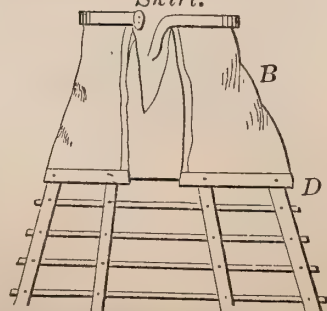
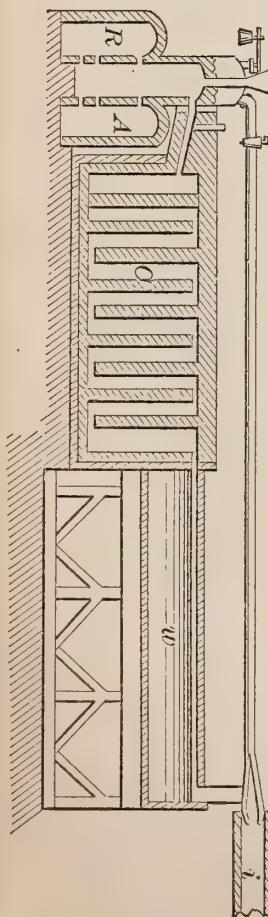
**63358**—J. Blocher—*Running Gear of Land Carriages.*



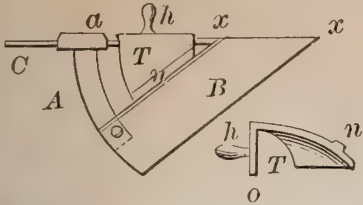
**63357**—B. F. Baker—*Horse Yoke Harness.*



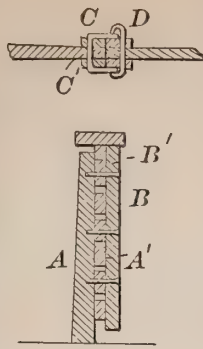


**63359**—E. Boorse—*Lantern.***63361**—F. Bucknam—*Dish Pan and Drainer.***63360**—D. Bowman—*Mill Stone Dress.***63363**—Campbell & Krewson—*Farm Gate.***63364**—J. Cochrane—*Machine for Making Screws.***63362**—B. & V. Calkins—*Portable Fence.***63368**—F. W. Davidson—*Steam Engine Valve.***63366**—C. Daniels—*Hoop Skirt.***63365**—J. C. Coalt—*For Concentrating and Condensing Volatile Metallic Substances.*

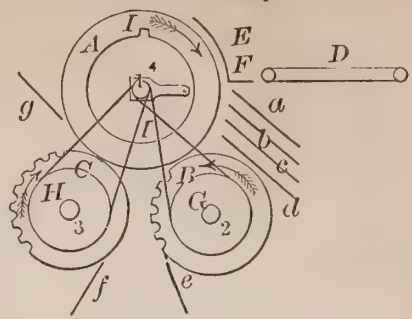
63369—J. Deere—*Making Plows.*



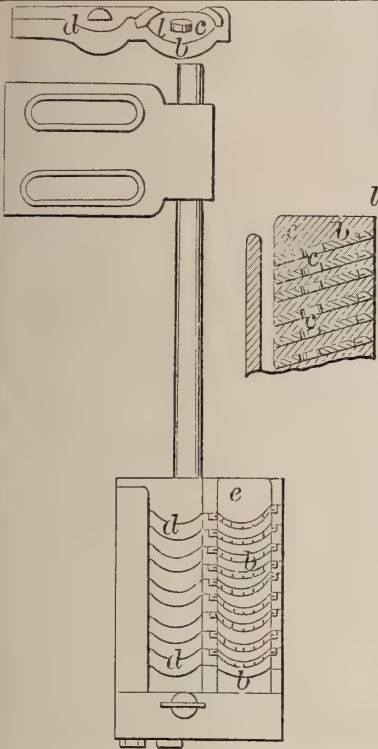
63370—D. A. Denison—*Gate.*



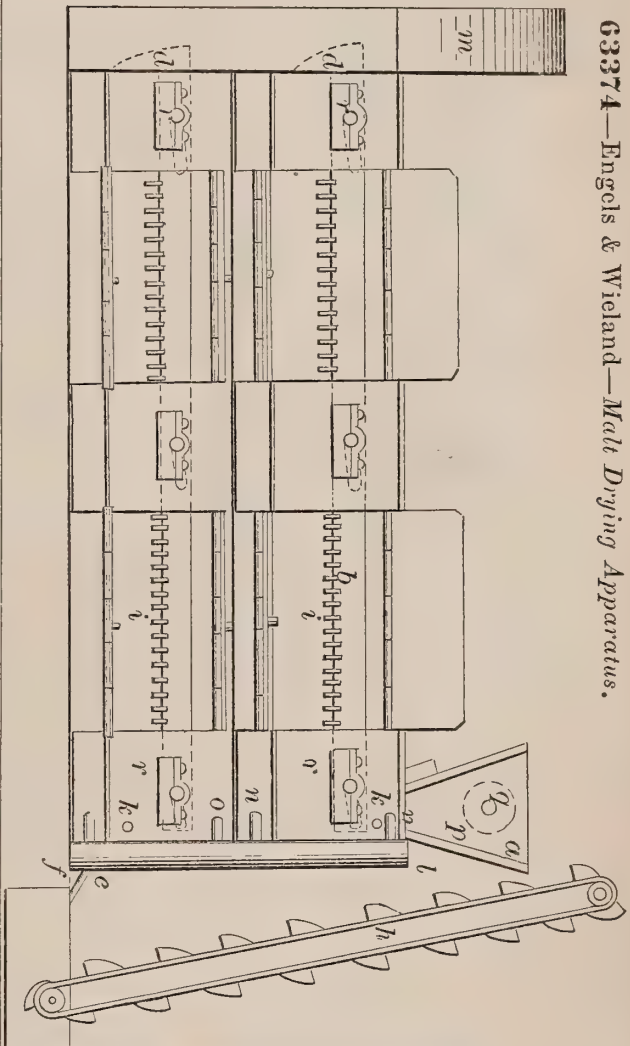
63373—A. B. Ely—*For Separating Fibrous Substances from Seed.*



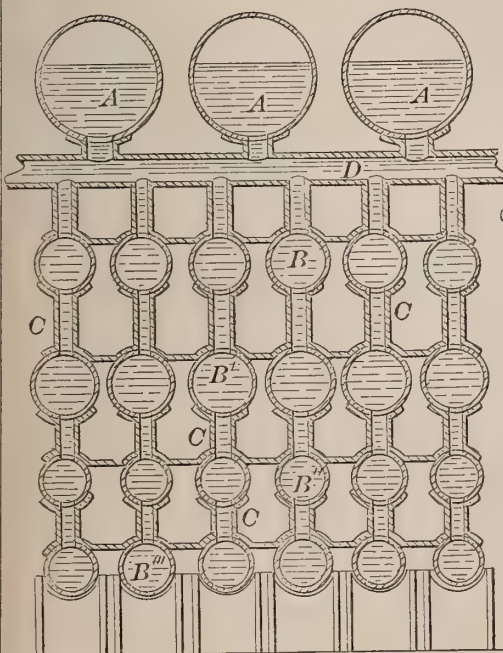
63372—W. W. Dutcher—*Loom Temple.*



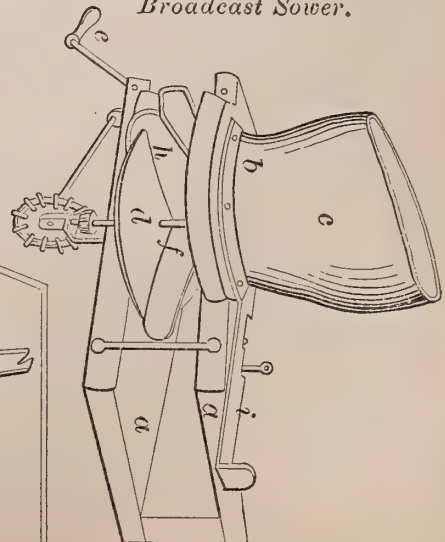
63374—Engels & Wieland—*Malt Drying Apparatus.*



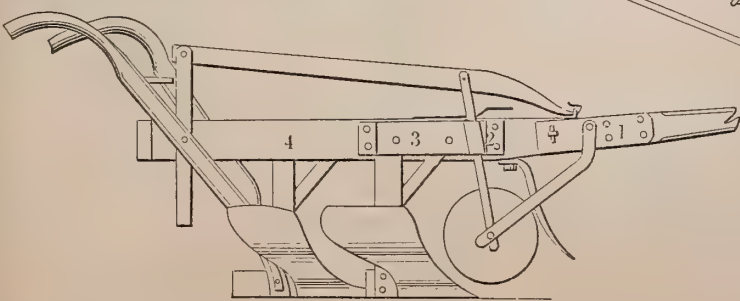
63375—L. Fagin—*Steam Generator.*



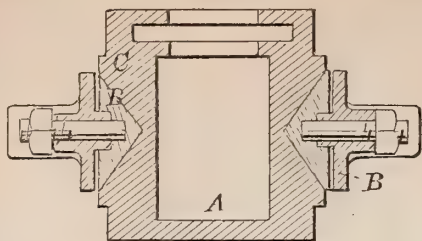
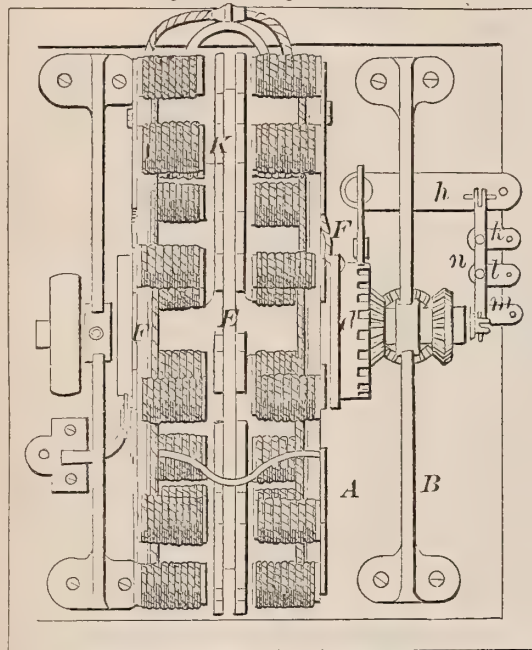
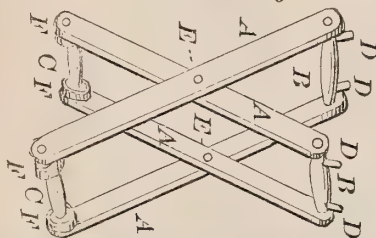
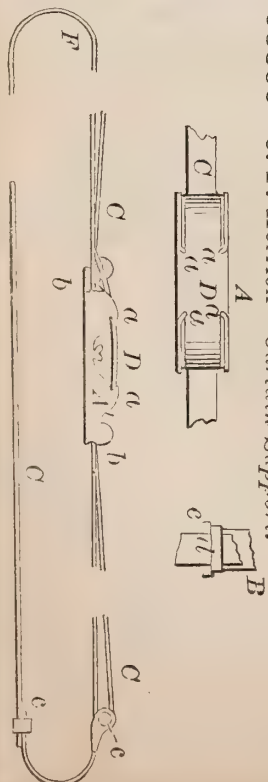
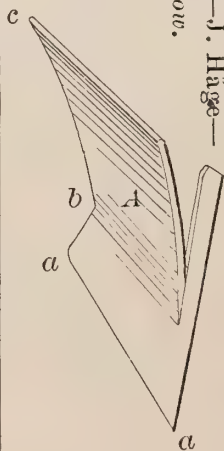
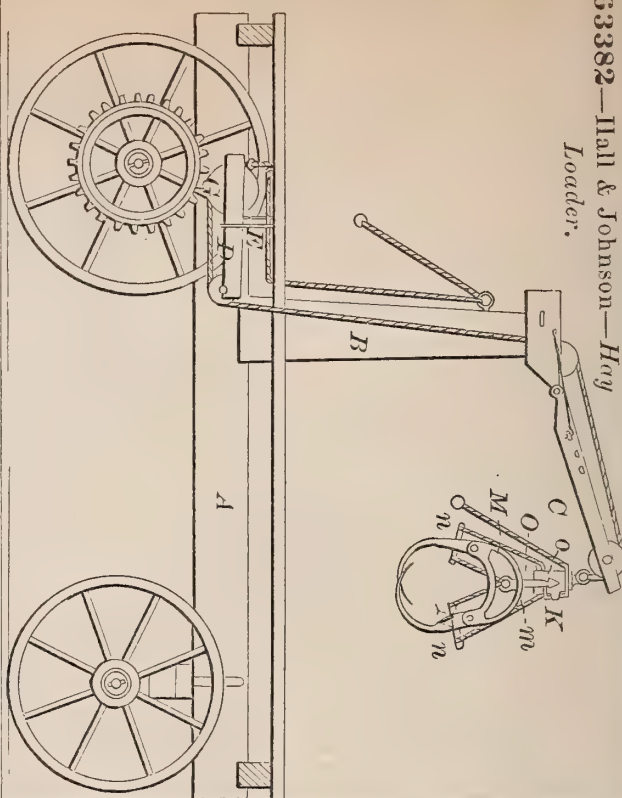
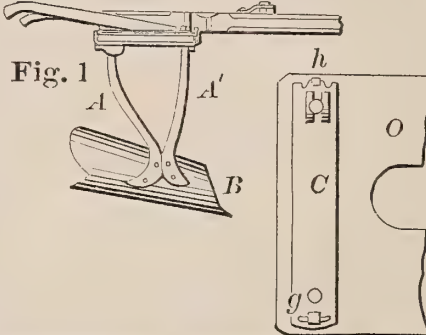
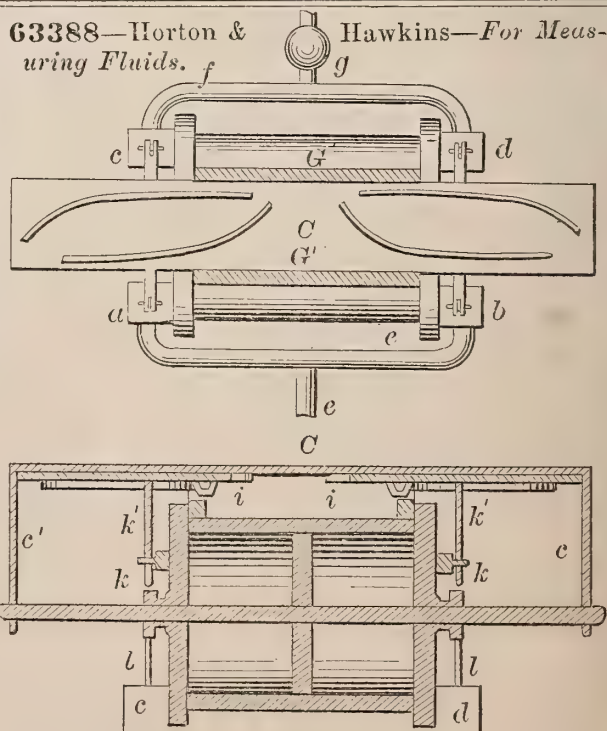
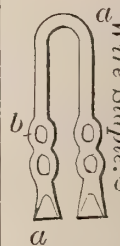
63378—F. G. & E. A. Floyd—*Broadcast Sower.*



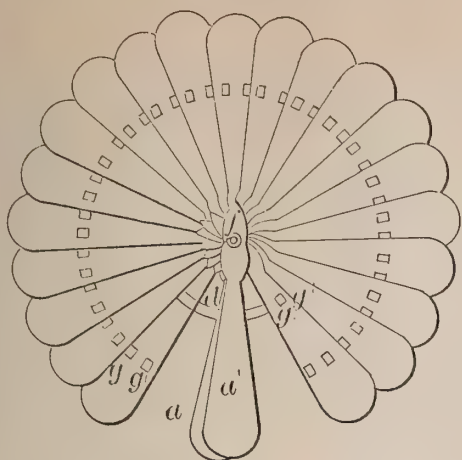
63377—J. Fish—*Plow.*




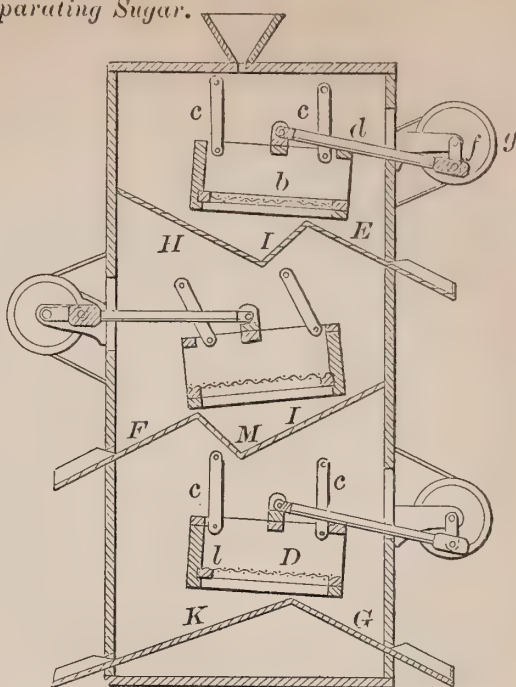


63379—A. A. Freeman—*Axle Box.*63380—C. J. B. Gaume—*Electro-Magnetic Engine.*63383—O. Hanks—*Bag Holder.*63386—C. F. Herrick—*Curtain Support.*63381—J. Häge—*Plow.*63387—P. J. Hershey—*Well Tube.*63382—Hall & Johnson—*Hay Loader.*63384—G. D. Hart—*Cultivator.*63388—Horton & Hawkins—*For Measuring Fluids.*63385—H. A. Harvey—*Wire Staple.*

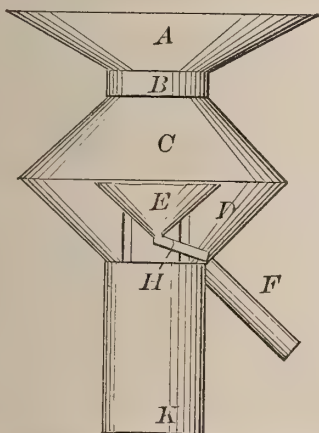
63389—J. L. Jackson—*Fan.*



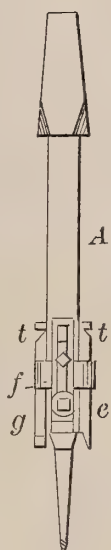
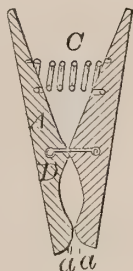
**63390**—G. A. Jasper—*For Sifting and Separating Sugar.* 



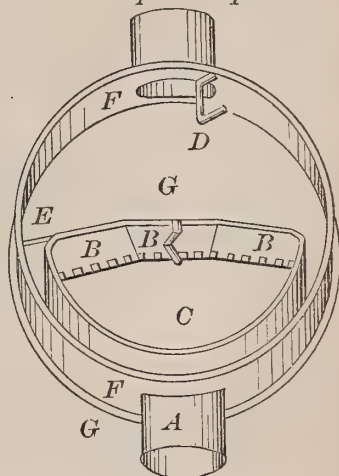
**63391**—Jeggle & Brooks—  
*Condenser.*



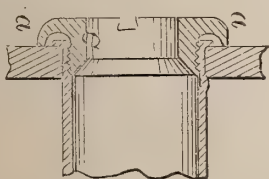
63392—M. Jinks—*Boring Bit.*

63393—C. C. Johnson—*Clothes Pin.*

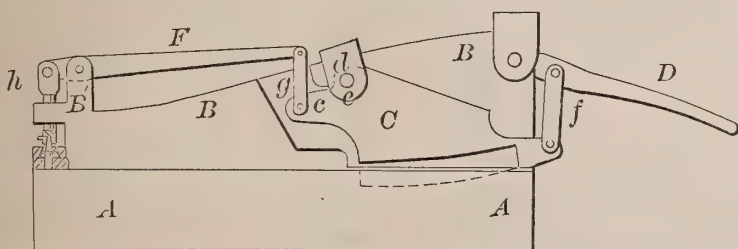
**63395**—E. Kabisius—*Stove  
Pipe Damper.*



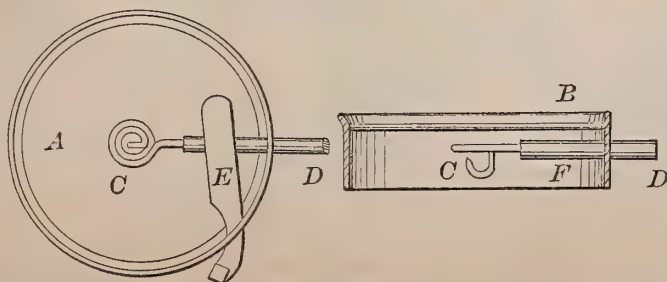
63399—Lanton & Jones—  
*Ferrule for Boiler Tubes.*



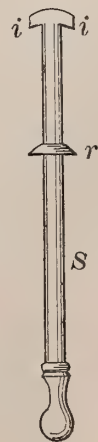
63398—I. Lamplugh—*Shearing and Punching Machine.*



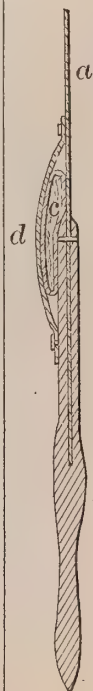
63400—J. Lee—*Petroleum Stove.*



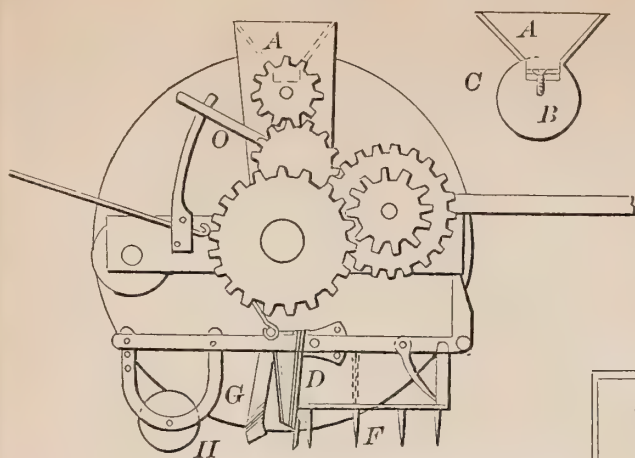
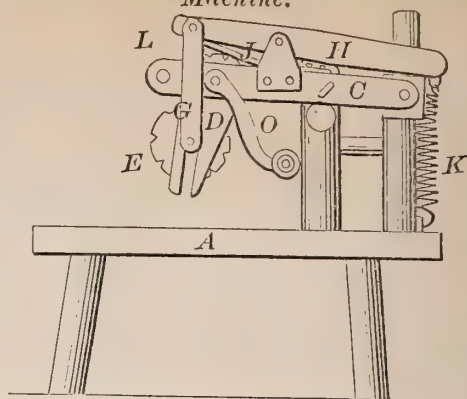
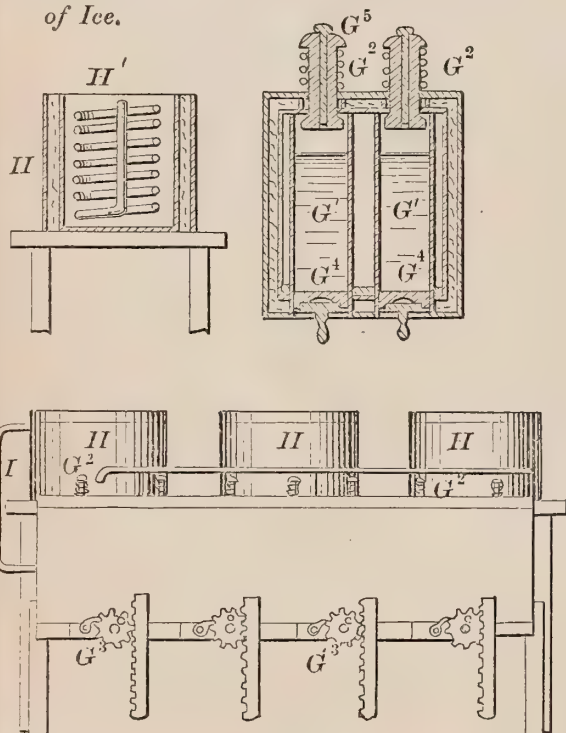
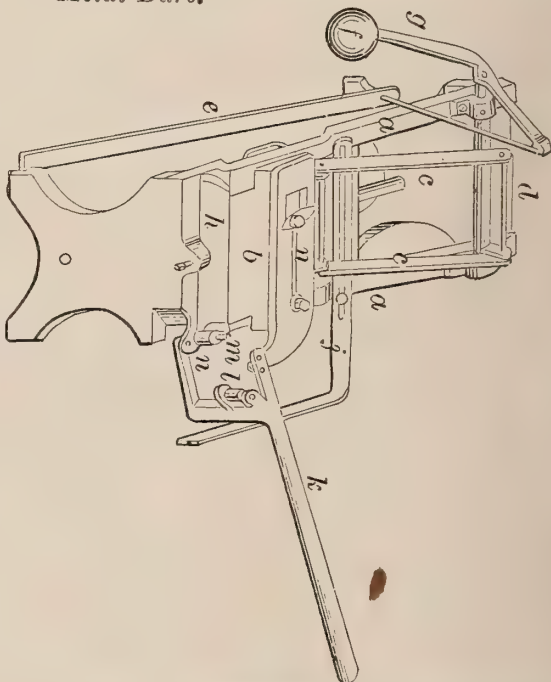
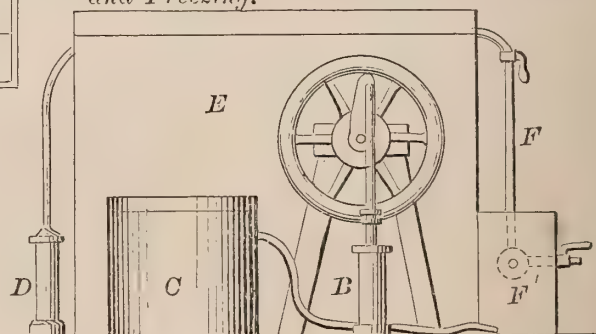
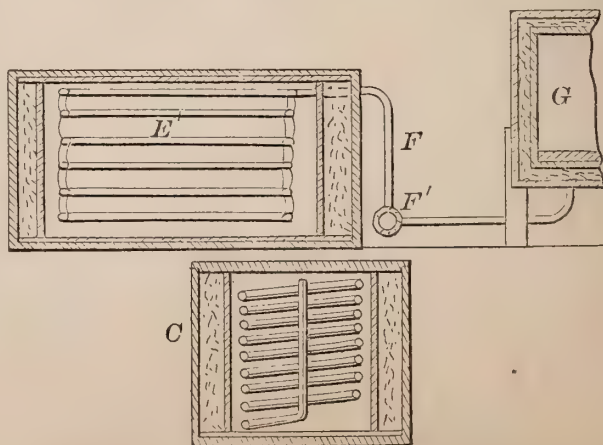
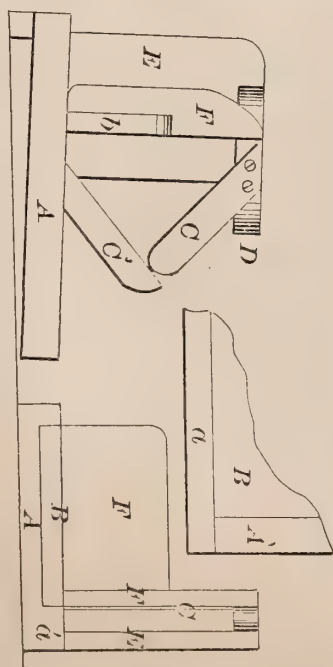
63397—C. Kuder—*Clothes Stick.*



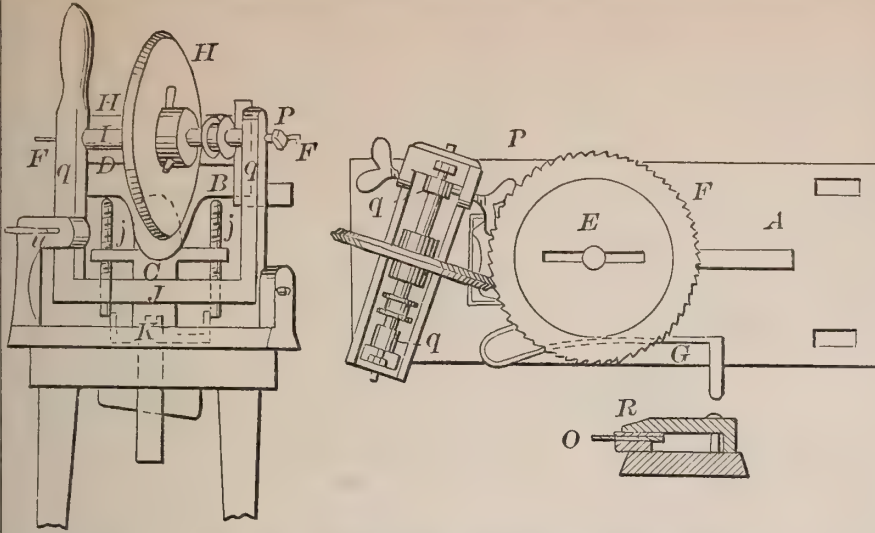
63396—Koppencfels & Brueck—*Fan.*<sup>2</sup>



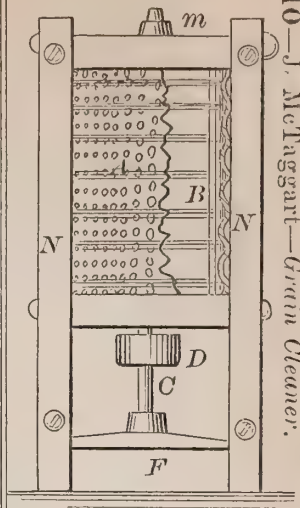


63401—N. Liddell—*Corn Planter.*63402—W. N. Lockwood—*Washing Machine.*63404—T. S. C. Lowe—*Manufacture of Ice.*63403—O. Long—*Machine for Bending Metal Bars.*63405—T. S. C. Lowe—*For Condensing Carbonic Acid, Drawing off, for Cooling and Freezing.*63406—J. Madden—*Bread Cutter.*

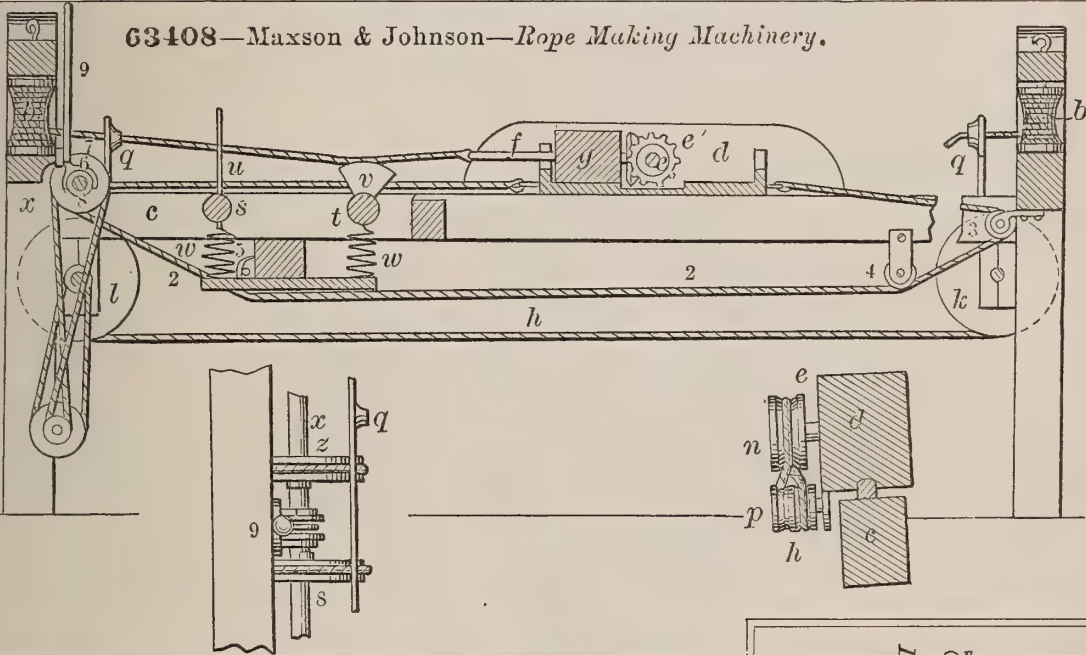
63407—T. T. Markland, Jr.—*Machine for Sharpening Saws.*



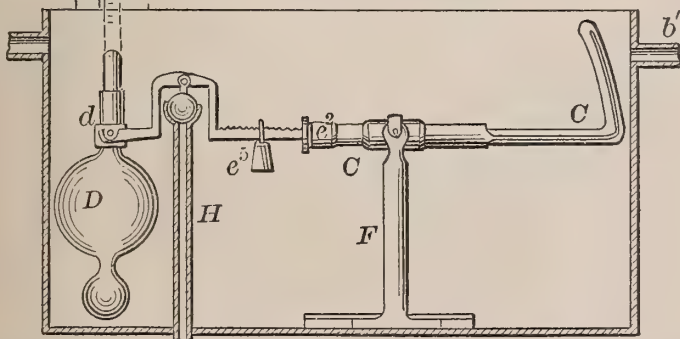
63410—J. McTaggart—*Grain Cleaner.*



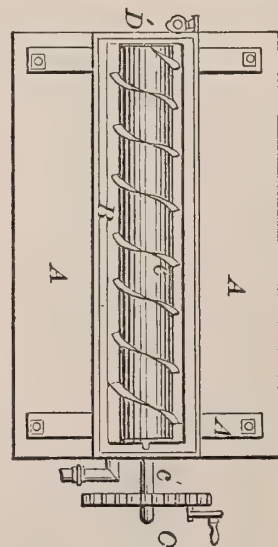
63408—Maxson & Johnson—*Rope Making Machinery.*



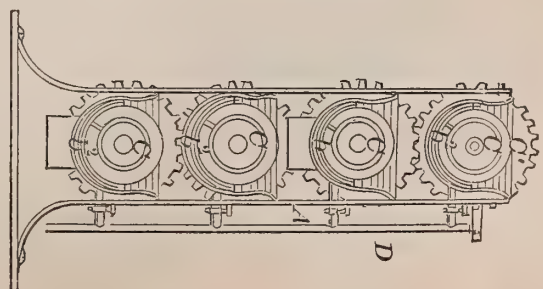
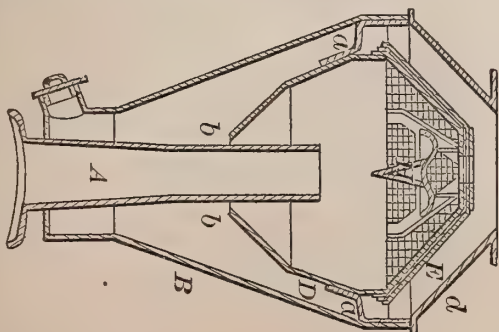
63409—McDowell & Wilson—*For Separating High and Low Wines.*



63412—J. O. Mellen—*Drying Apparatus.*

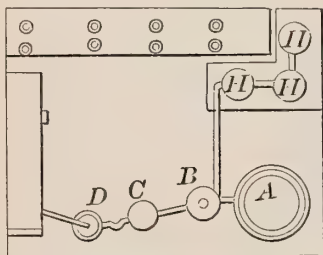
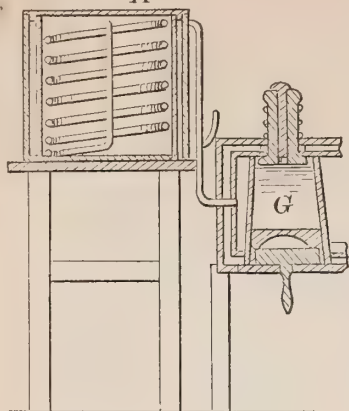


63411—W. J. Mehary—*Spark Arrester.*

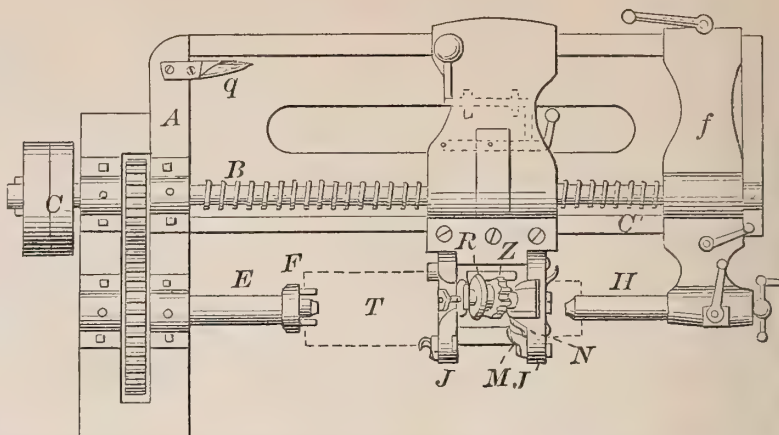




**63413**—T. S. C. Lowe—  
*Manufacturing Ice.*  
H



**63414**—H. Mellish—*For Cutting out the Bodies of Fruit Baskets.*



**63416**—F. Million—*Gas Engine.*

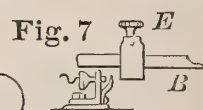


Fig. 5

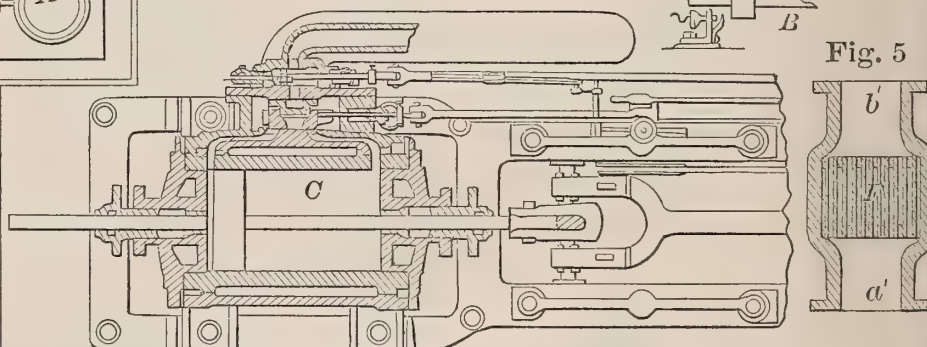


Fig. 8

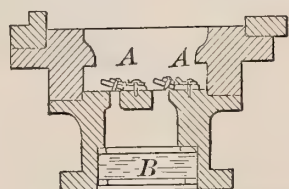
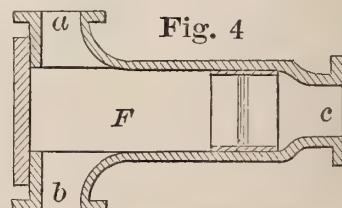
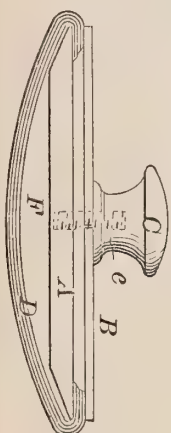


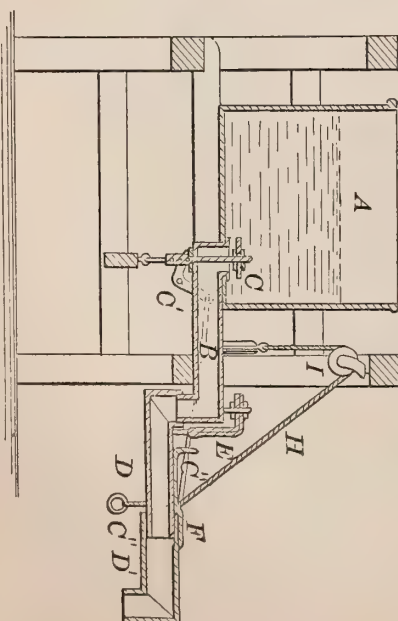
Fig. 4



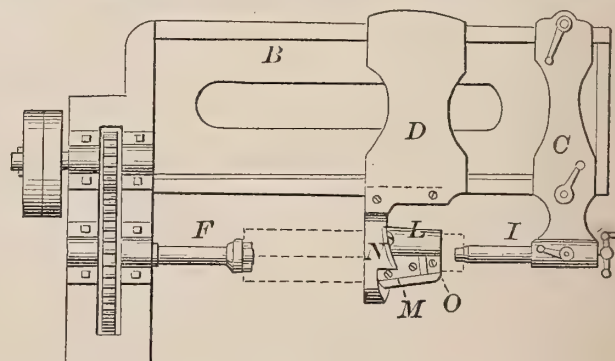
**63417**—C. C. Moore—*Blotter.*



**63418**—J. Morton—*Railroad Water Tank.*



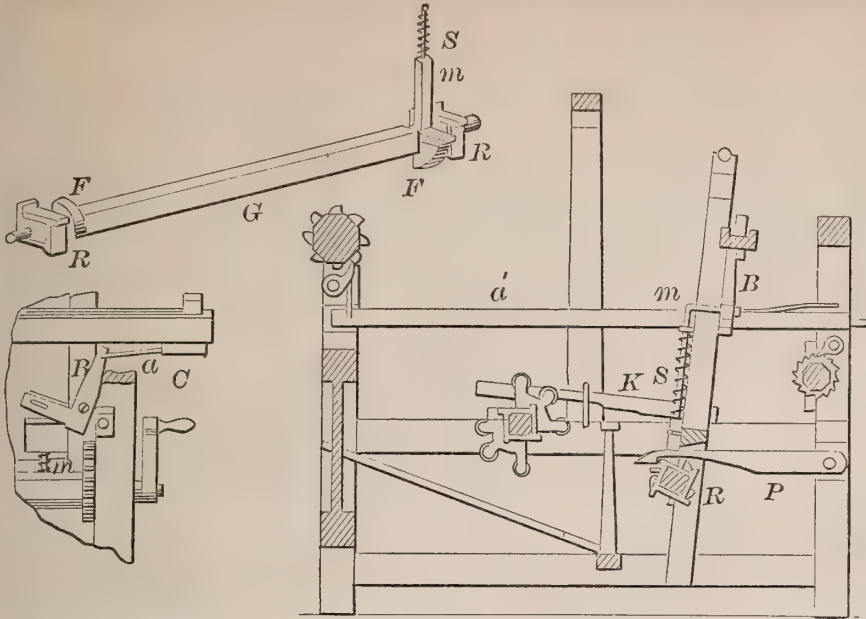
**63415**—H. Mellish—*For Cutting Toy Pails from Wood.*



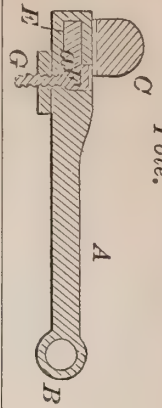
**63419**—F. Munson—*Filing and Recording Bonds, &c.*

30	29	28	27
26	25	24	23
22	21	20	19
18	17	16	15
14	13	12	11
10	9	8	7
6	5	4	3
2	1		

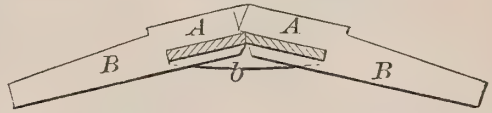
63421—W. W. & V. J. Phillips—For Operating Picker Stuffs of Looms.



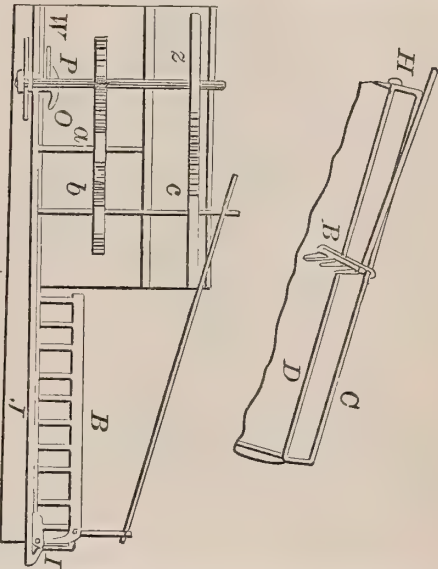
63423—J. E. Prudden—Adjustable Carriage Pole.



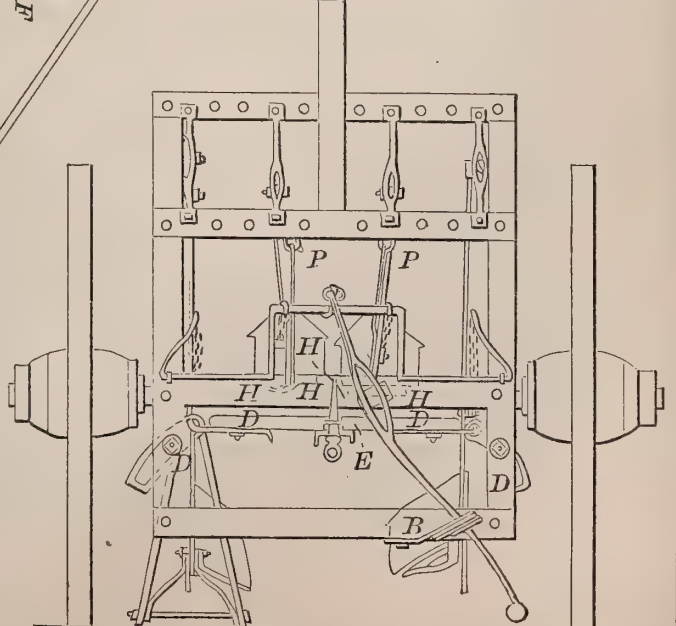
63425—E. Reed—Wagon Seat.



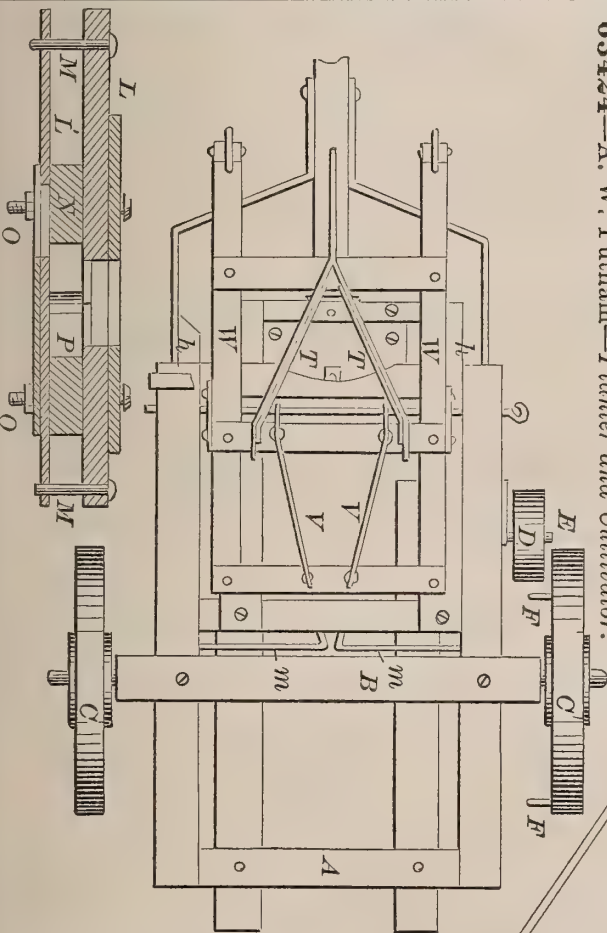
63427—L. M. Rice—Harvester Rake.



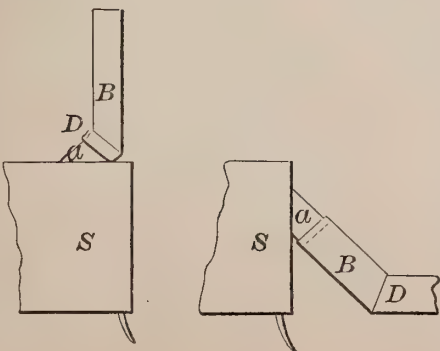
63426—J. H. Reynerson—Cultivator.



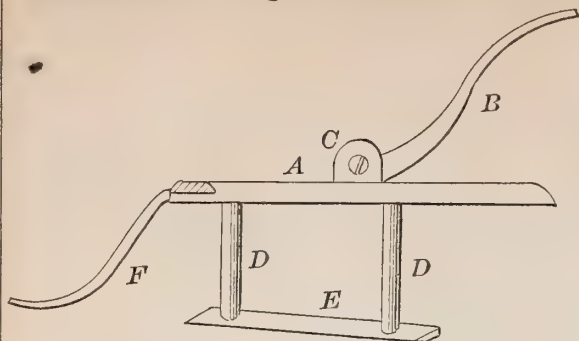
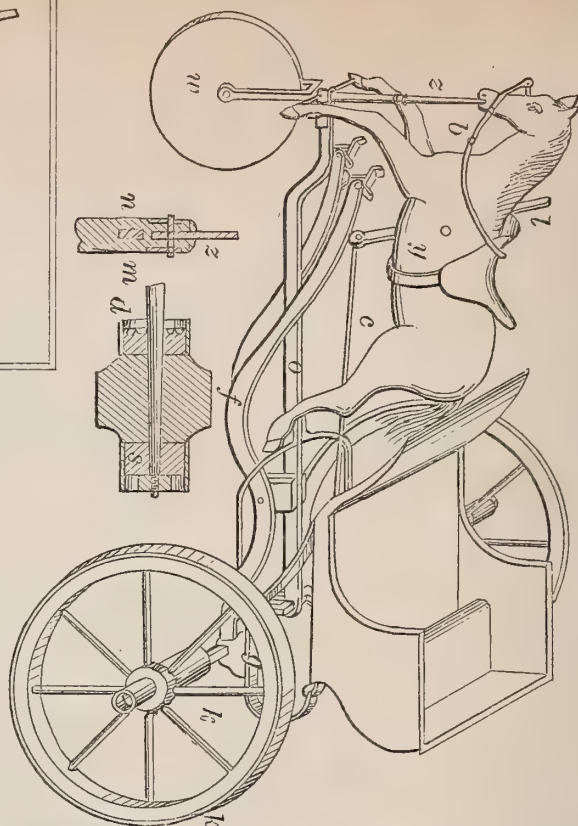
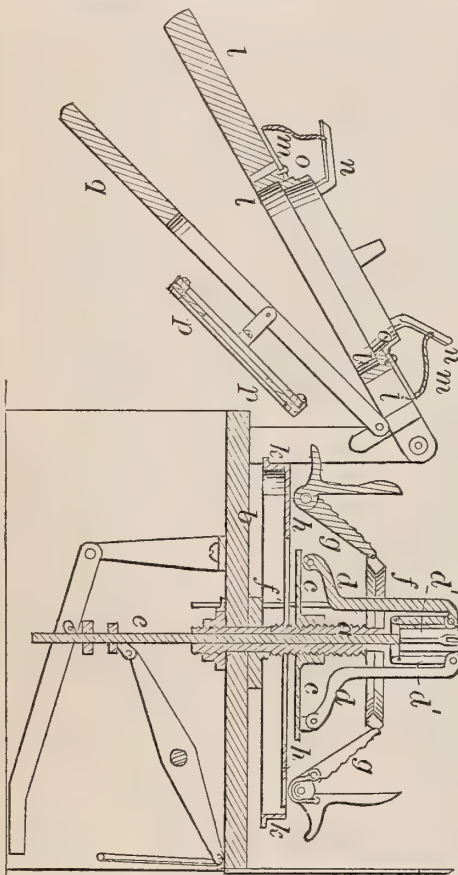
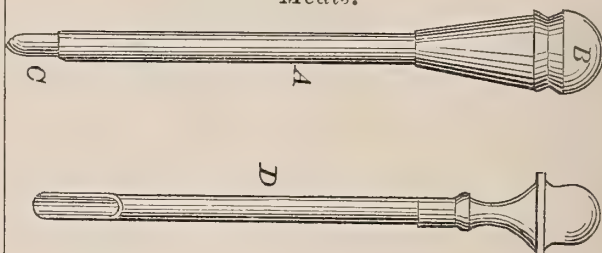
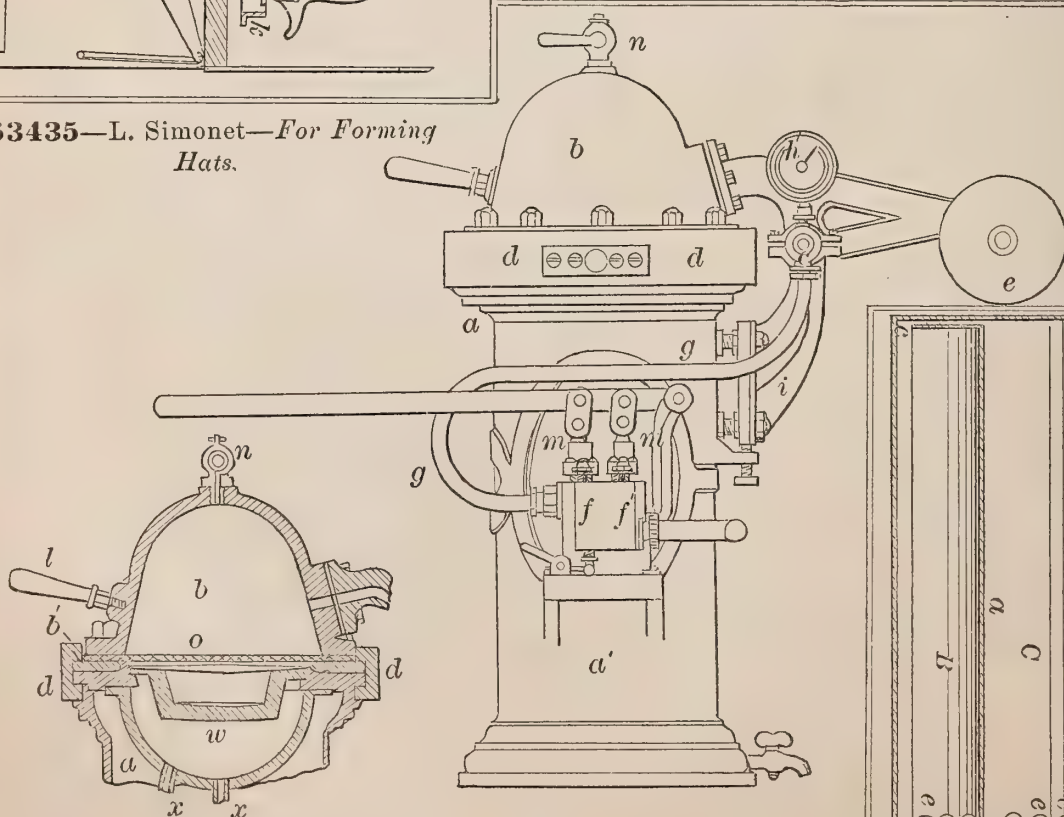
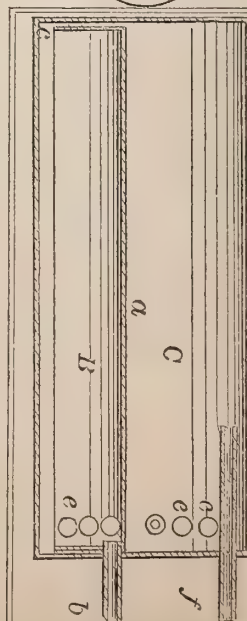
63424—A. W. Putnam—Planter and Cultivator.



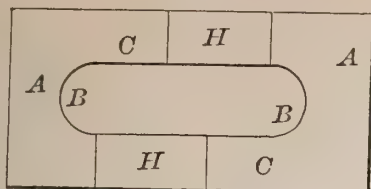
63422—M. L. Powell—Stove Pipe.



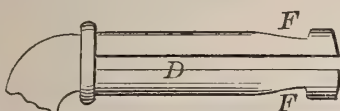
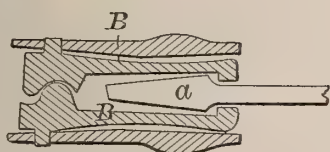
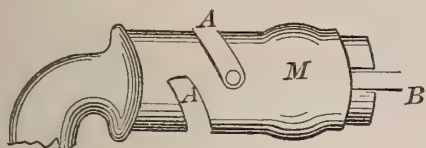


63430—T. B. Rogers—*Cultivator.*63433—J. Scheen—*Baby Carriage and Velocipede.*63434—J. Sheldon—*Hat Blocking Machine.*63432—W. Sadler—*For Salting and Seasoning Meats.*63435—L. Simonet—*For Forming Hats.*63431—S. P. Ruggles—*Steam Generator.*

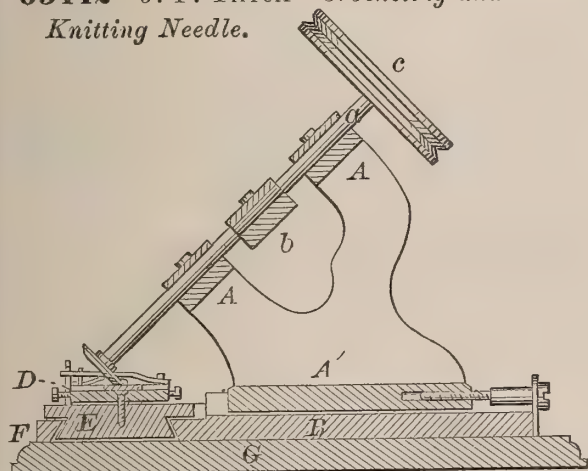
**63436**—Smith & Speth—*Chimney.*



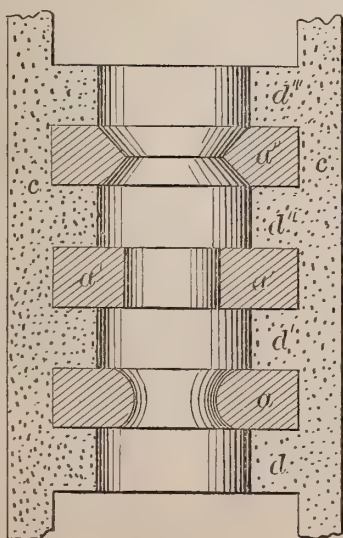
**63438**—G. Stackpole—*Bit Brace.*



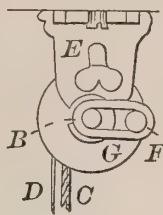
**63442**—J. P. Tirrell—*Crocheting and Knitting Needle.*



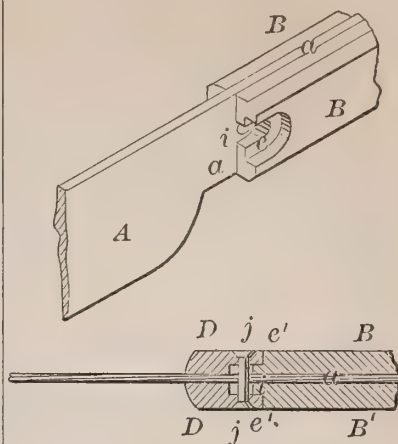
**63443**—R. C. Totten—*Mould for Casting Grooved Rolls.*



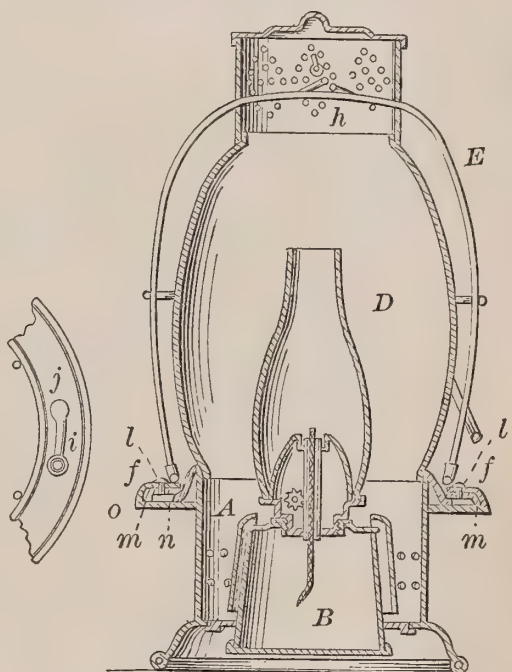
**63440**—L. H. Thomas—*Curtain Fixture.*



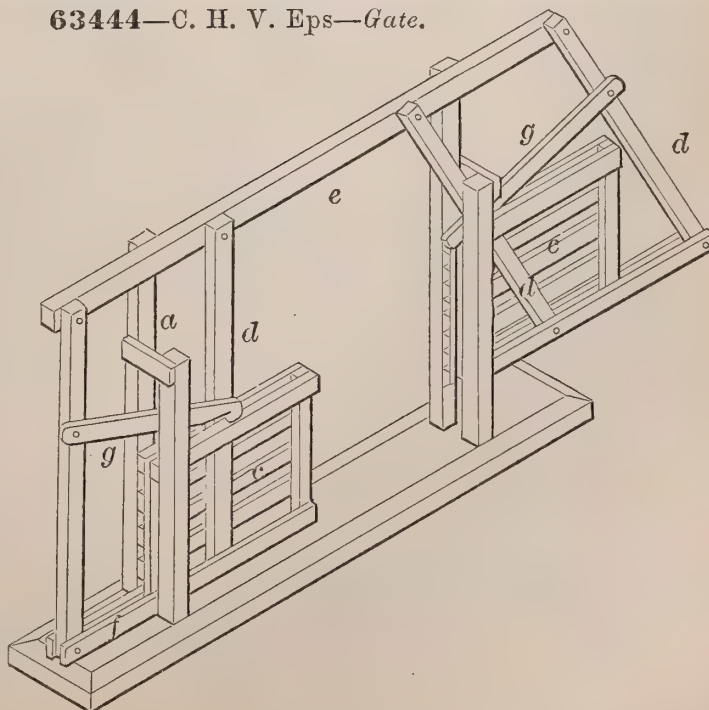
**63439**—J. Stott—*Table Cutlery.*



**63441**—W. S. Thompson—*Lantern.*

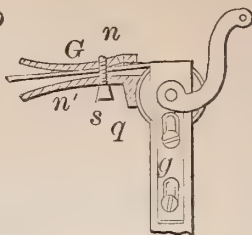
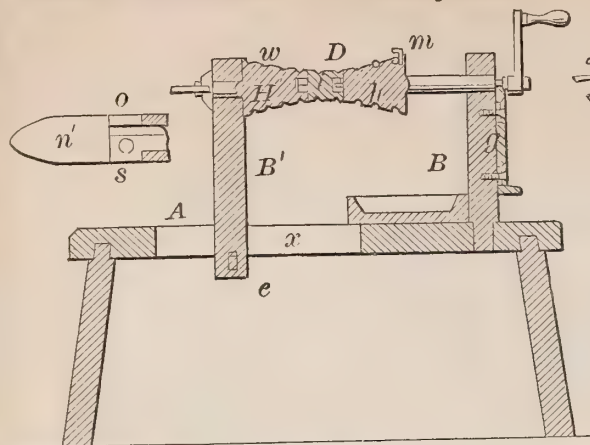


**63444**—C. H. V. Eps—*Gate.*

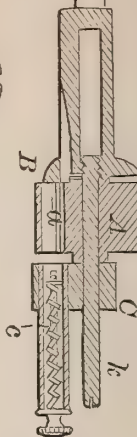
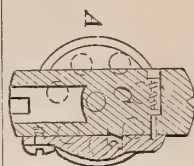




**63445**—W. Weaver—*For Coiling Wire.*



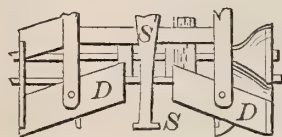
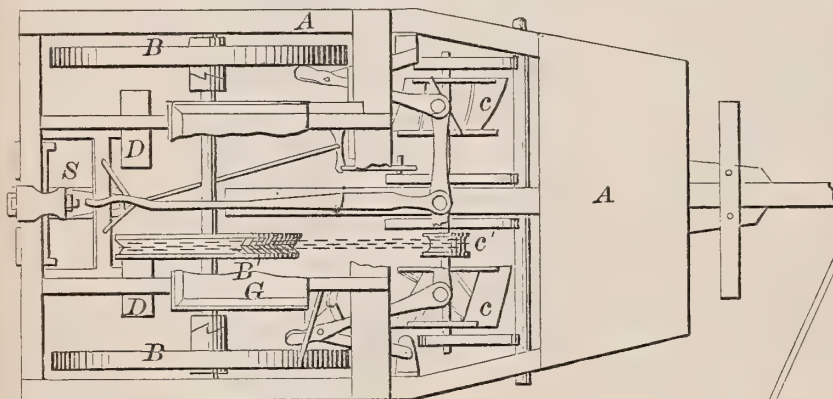
63450—R. W. Drew—  
Revolving Fire  
Arm.



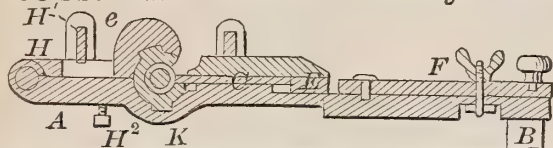
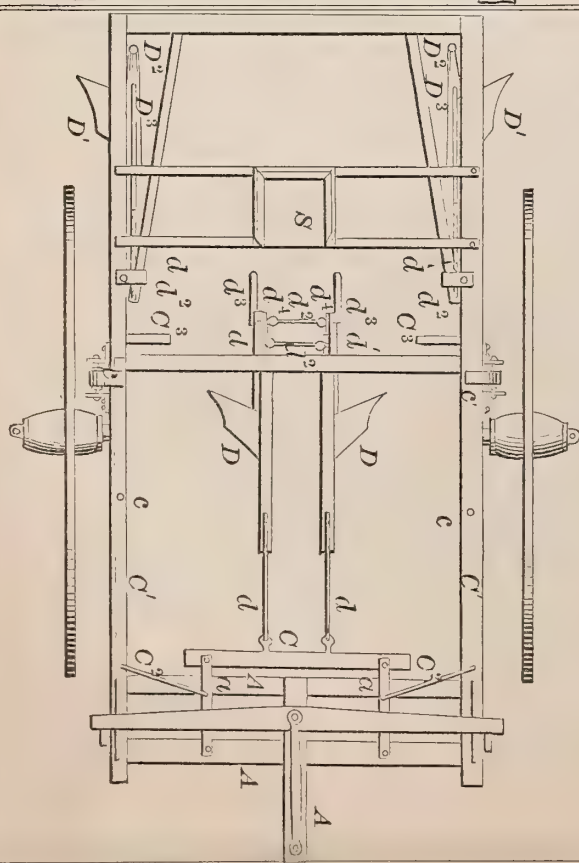
63448—J. A. Wiedersheim—  
*Barber's Brush.*



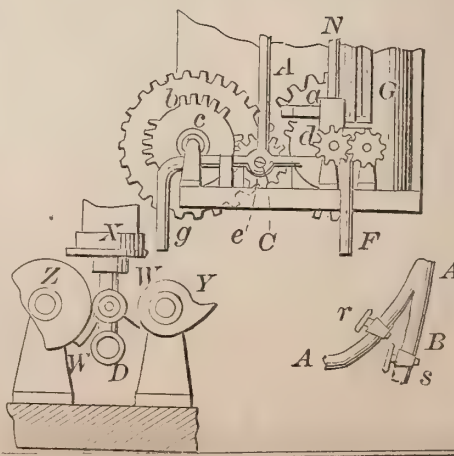
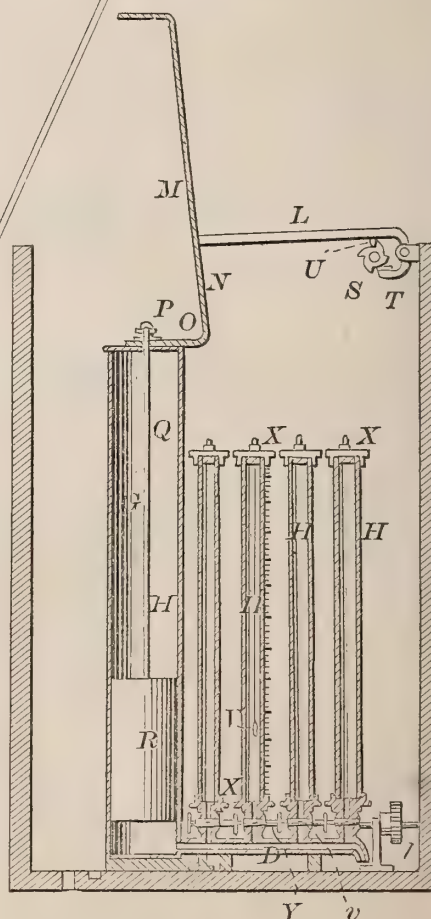
63451—R. N. Adams—*Cotton Cultivator.*



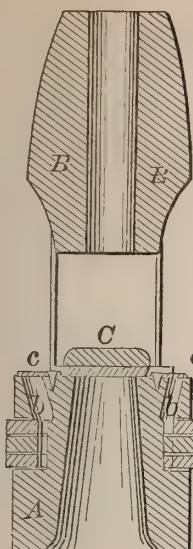
**63446**—G. H. Wells—*For Cutting Screws.*

63447—P. L. West—*Cultivator*.

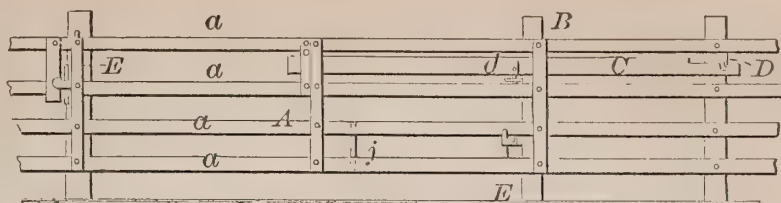
63452—J. G. Allen—  
*Spirit Meter.*



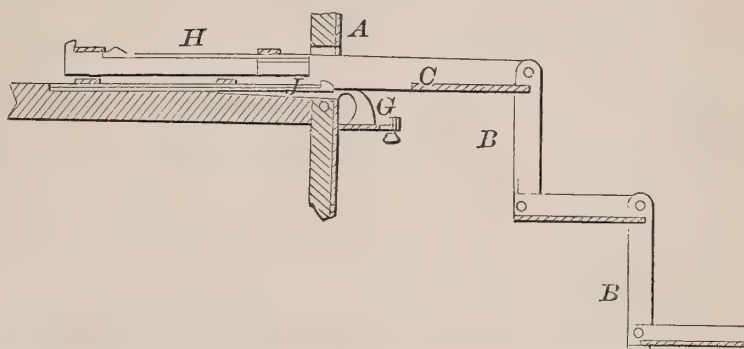
63454—M. J. Althouse—*Pump Piston Packing.*



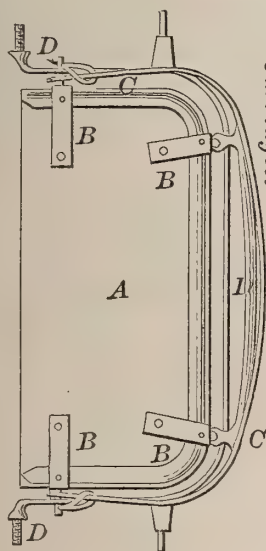
63455—S. E. Anthony—*Gate.*



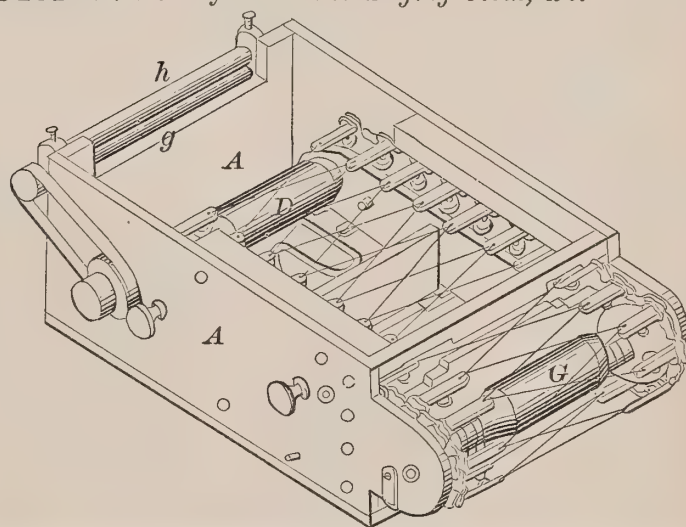
63458—F. Baker—*Carriage Step.*



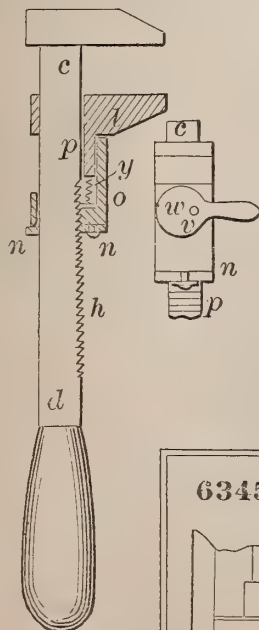
63457—A. E. Bailey—*Shifting Rail for Carriages.*



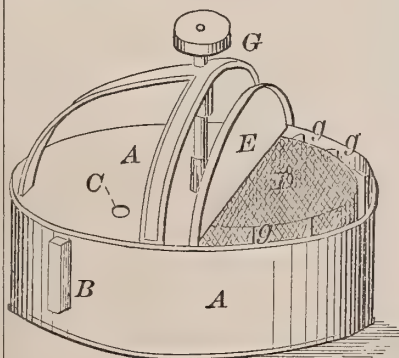
63461—L. W. Boynton—*For Drying Cloth, &c.*



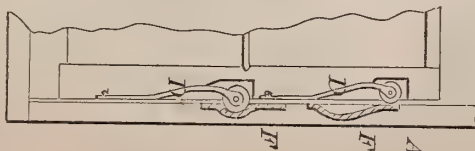
63459—S. S. Barnaby—*Wrench.*



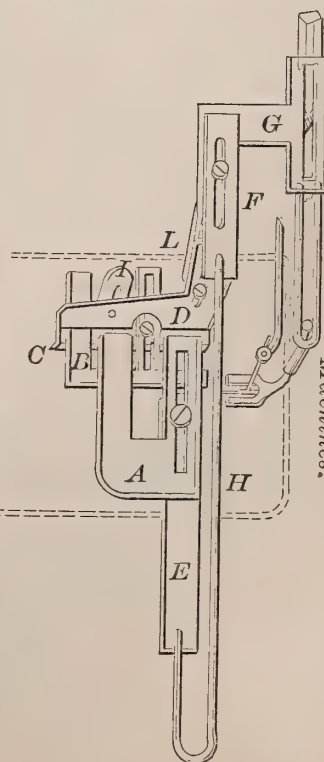
63462—L. W. Boynton—*Dryer for Wool, &c.*



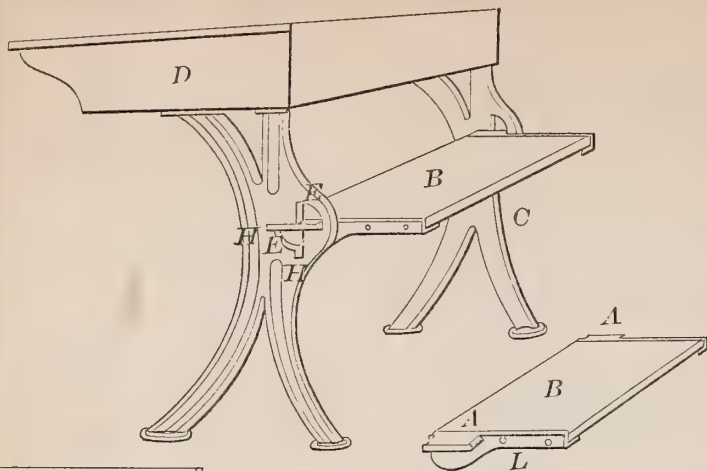
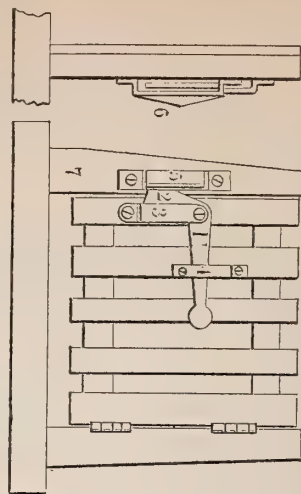
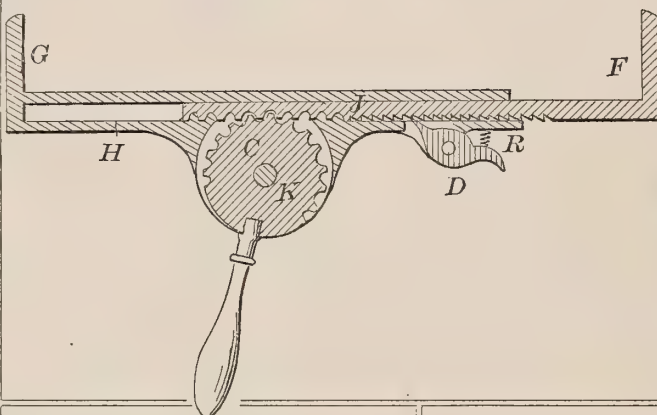
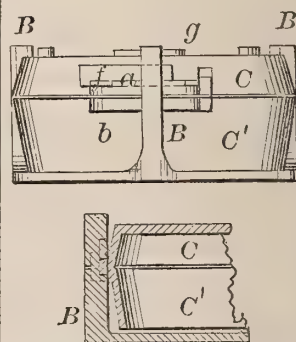
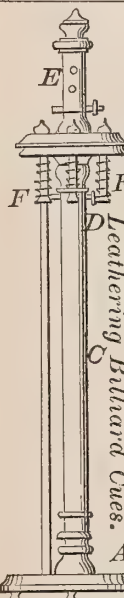
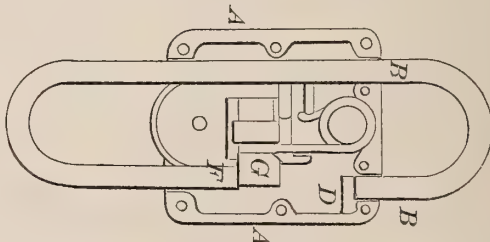
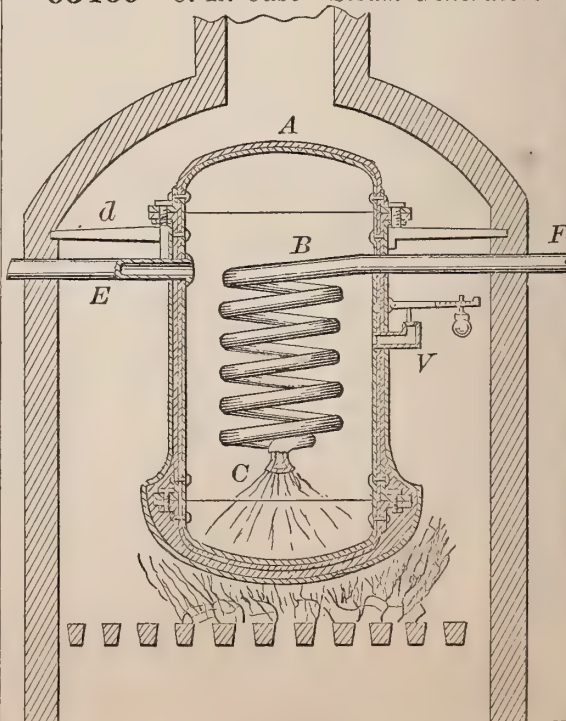
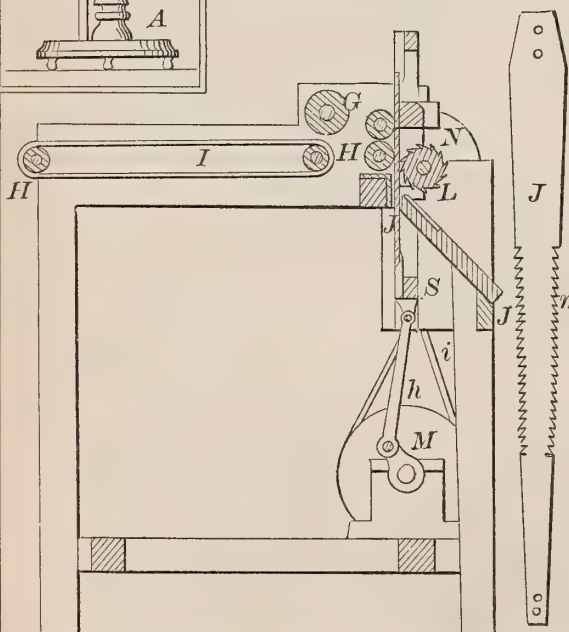
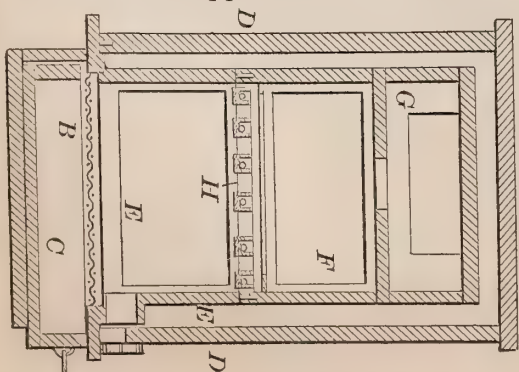
63456—J. Ayers—*Sash Supporter.*



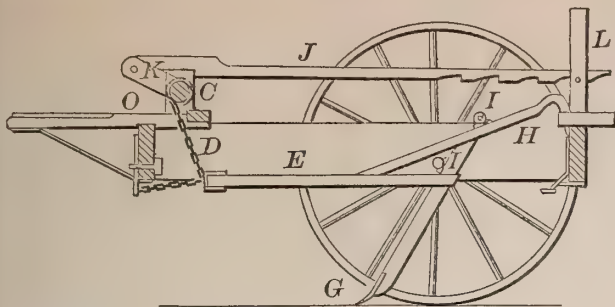
63463—S. C. Brown—*Plating Attachment for Sewing Machines.*



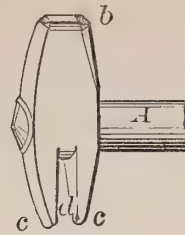


63464—F. C. Brownell—*Shelf Seat.*63466—J. T. Bryan—*Gate Latch.*63468—E. Card—*Clamp for Furnace Moulds.*63470—H. F. Clark—*Dentist's Vulcanizing Flask.*63465—E. Brunswick—*Clamp for Leathering Billiard Cues.*63467—I. D. Bush—*Padlock.*63469—C. E. Case—*Steam Generator.*63471—R. J. Clay—*Burying and Ginning Machine.*63472—H. Clipp—*Beehive.*

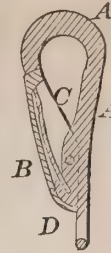
63473—D. W. Colburn—*Sulky Plow.*



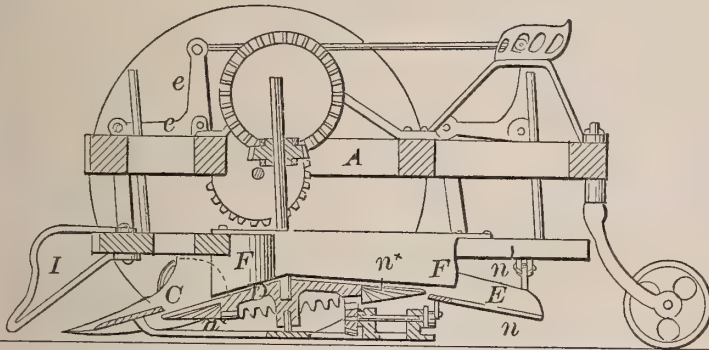
63474—J. Connolly—*For Upsetting Flanges.*



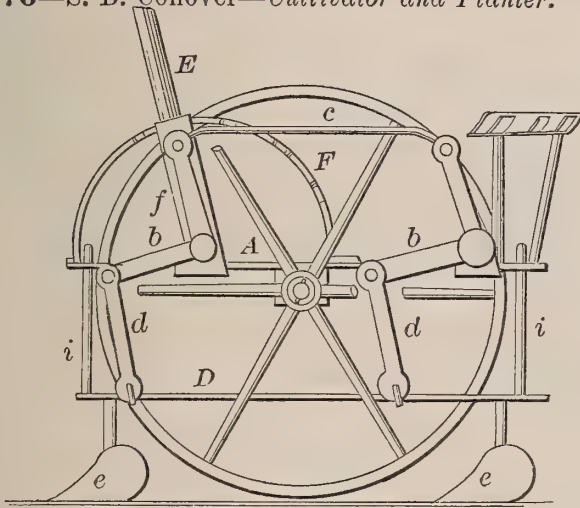
63478—E. A. Cooper—*Harness Snaps.*



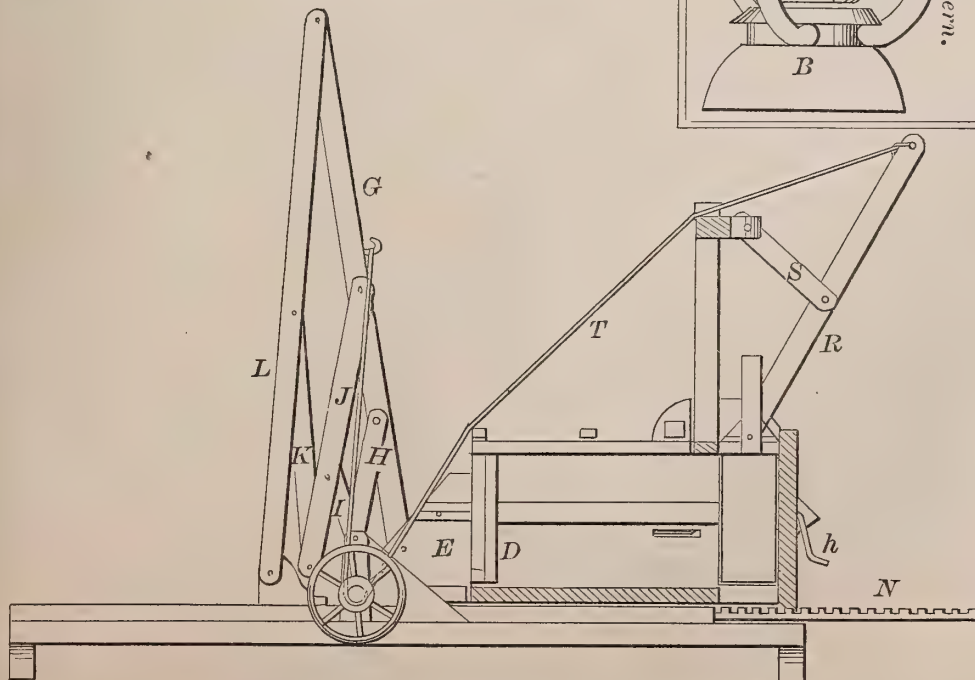
63475—S. B. Conover—*Potato Digger.*



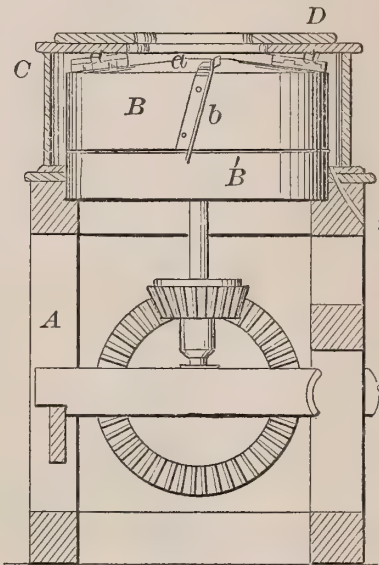
63476—S. B. Conover—*Cultivator and Planter.*



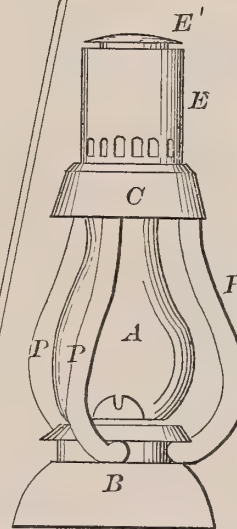
63477—J. W. Conway—*Hay Press.*



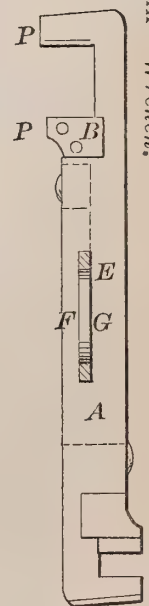
63479—M. Cosgro—*Grinding Mill.*



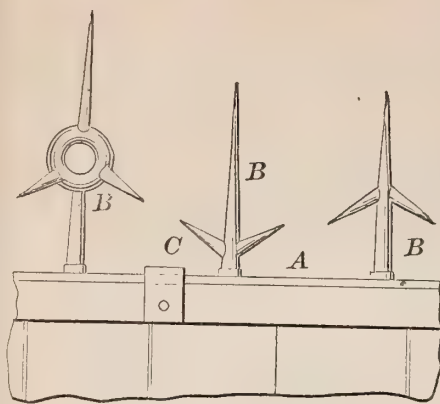
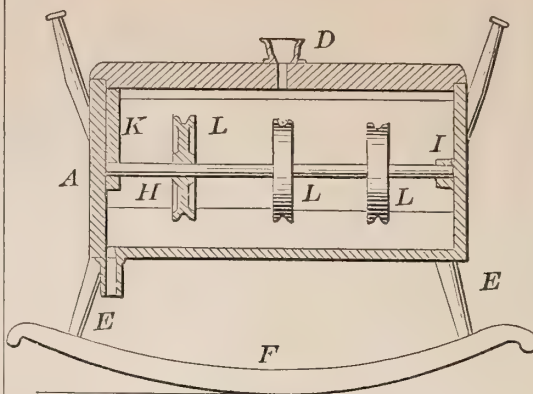
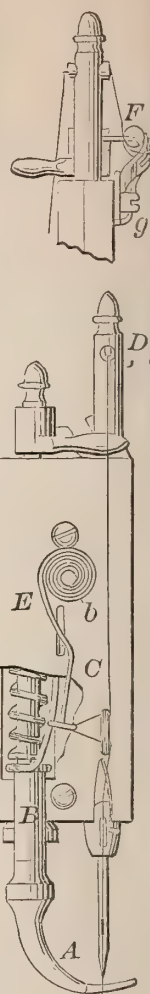
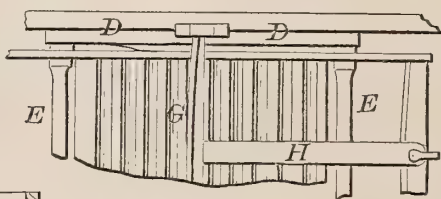
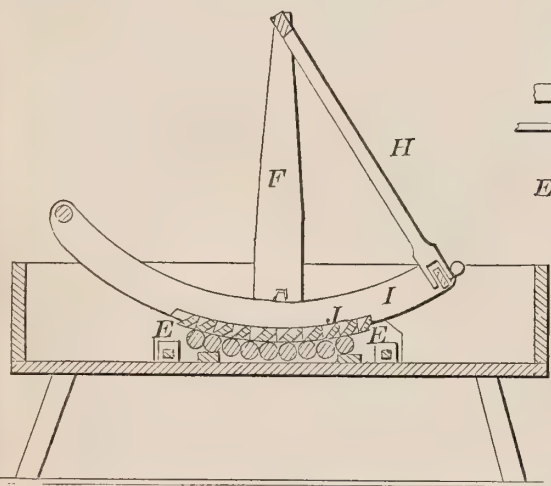
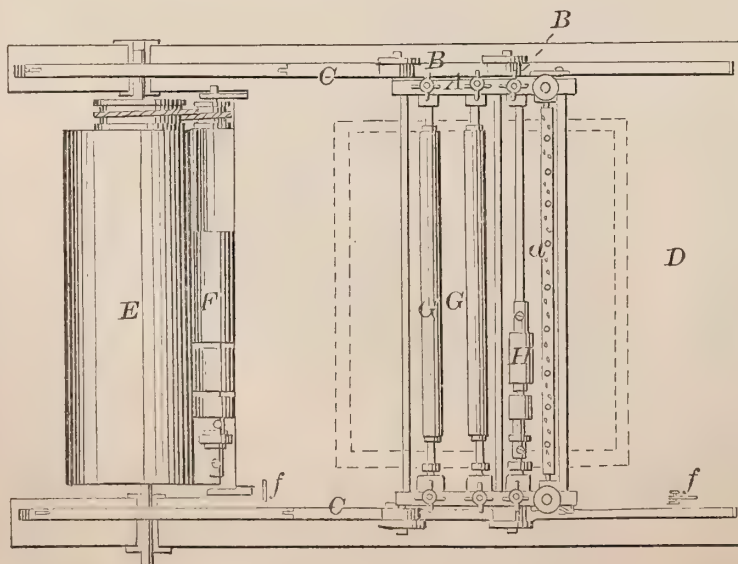
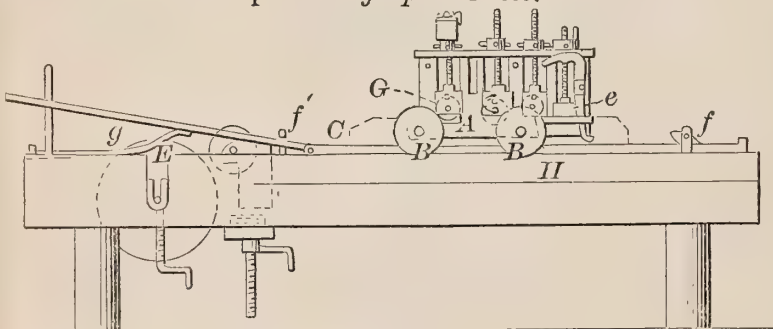
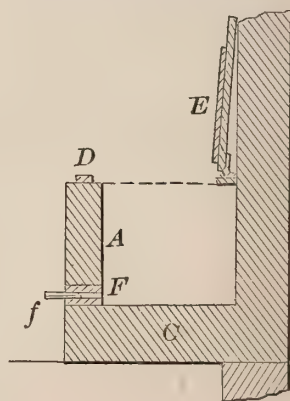
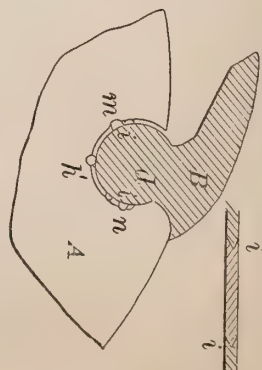
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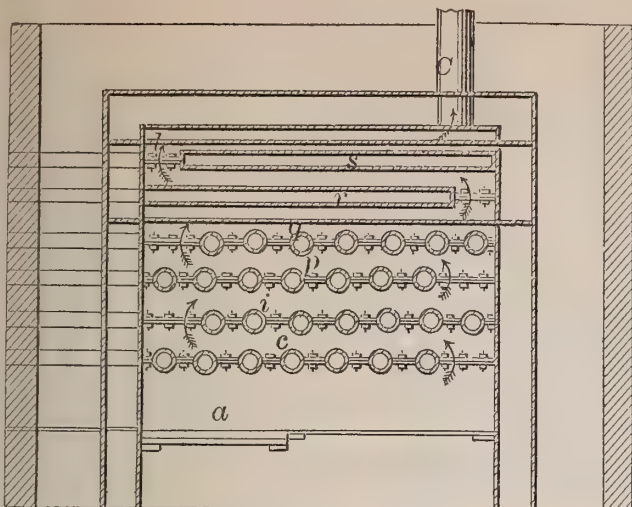
63481—J. E. Cronk—*Wrench.*



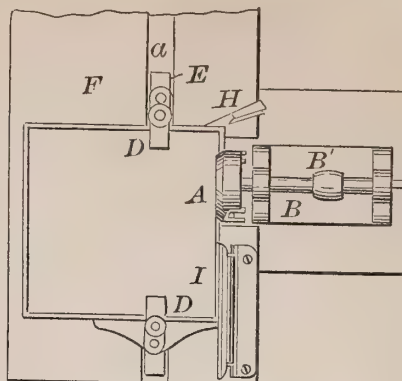


63482—A. Dabb—*Fence Picket.*63485—G. Deckman—*Churn.*63483—Darling & Howe—*Sewing Machine.*63488—Downie & Johnson—*Washing Machine.*63489—G. Dunlop—*Lithographic Press.*63484—E. Darnell—*Salting and Preserving Meat, &c.*63486—C. Disston—*Saw.*

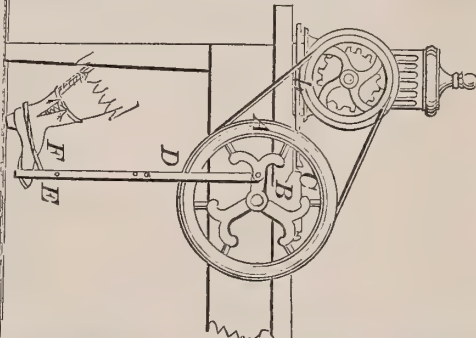
63490—Engels & Wieland—*Hot Air Furnace.*



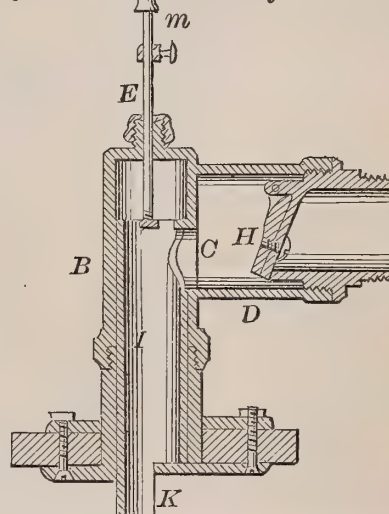
63491—Ferguson & Lovejoy—*For Trimming Metals.*



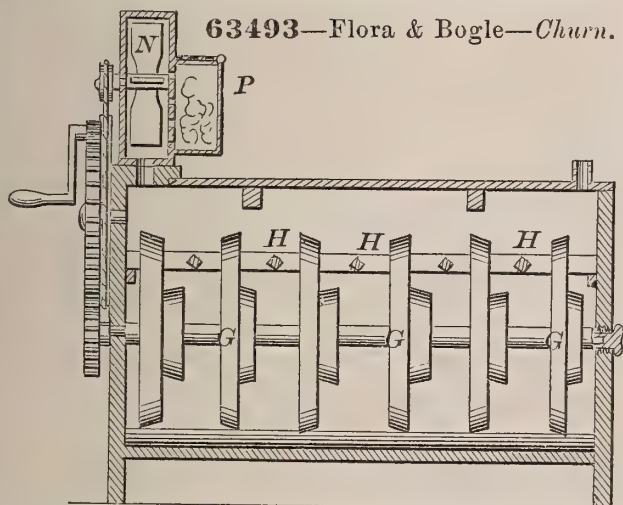
63494—Folsom & Anderson—*Treadle.*



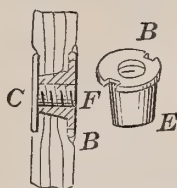
63496—T. W. Fox—*For Expelling Water from the Holds of Vessels.*



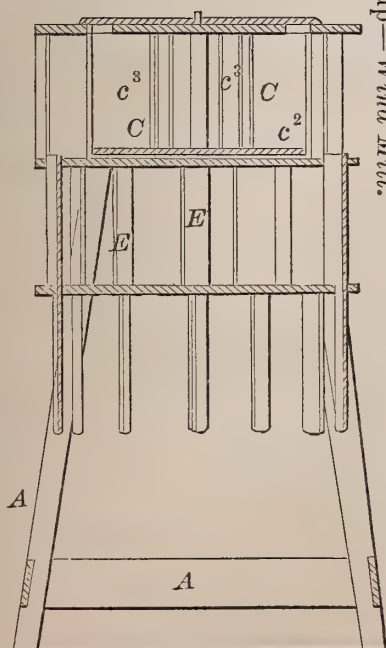
63493—Flora & Bogle—*Churn.*



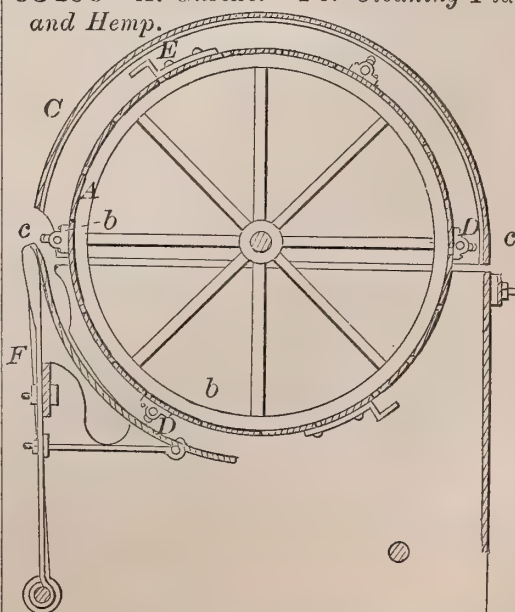
63497—C. Frank—*Belt Rivet.*



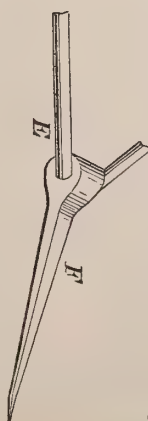
63498—H. P. Gallup—*Wind Mill.*



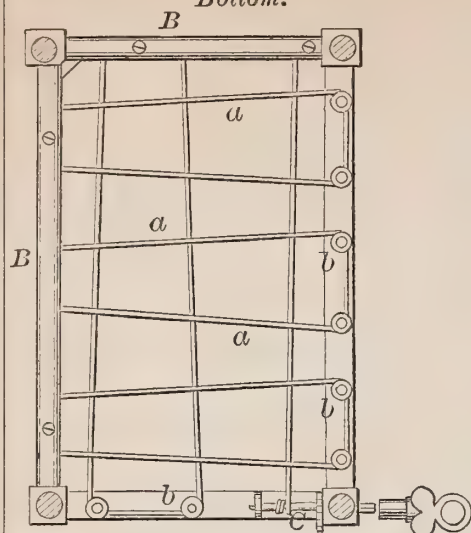
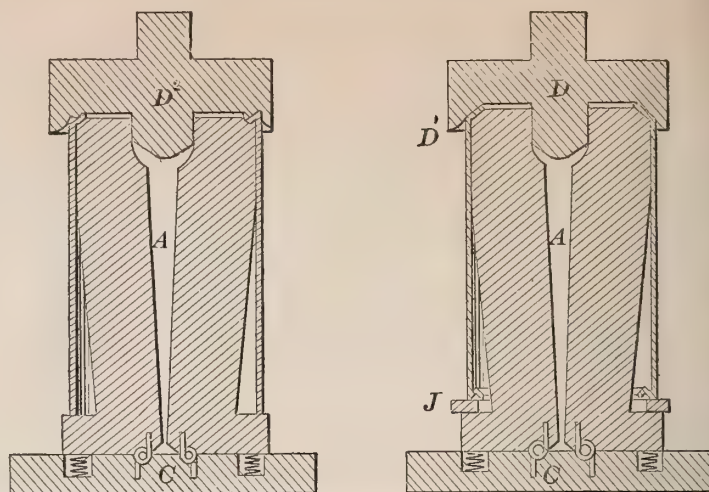
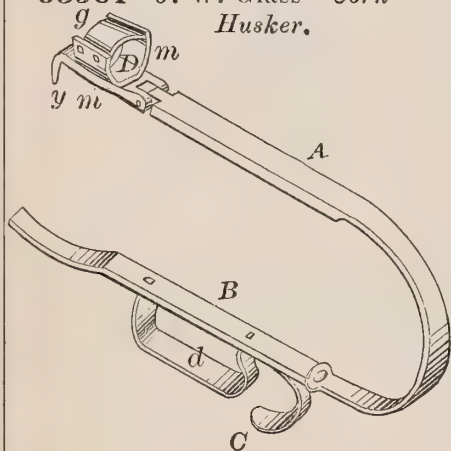
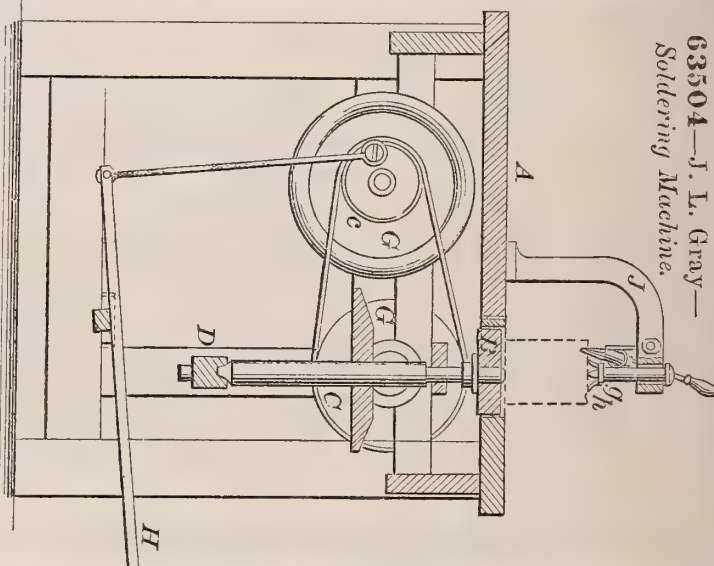
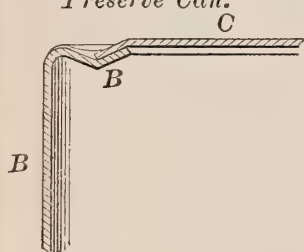
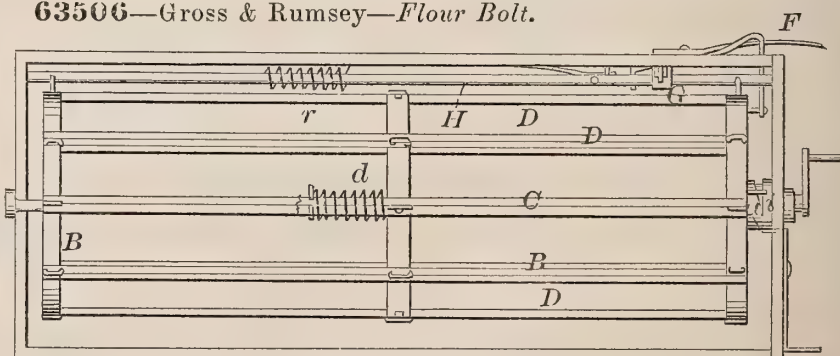
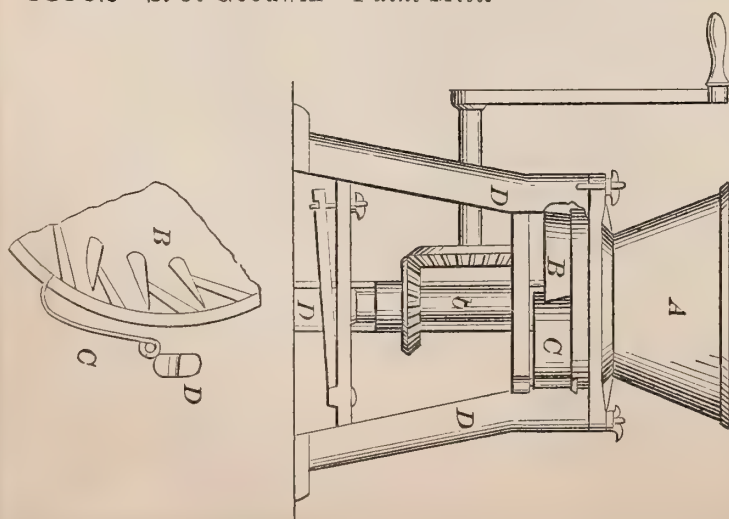
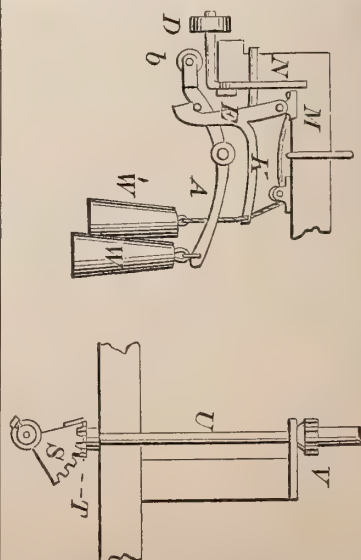
63499—A. Gärtner—*For Cleaning Flax and Hemp.*



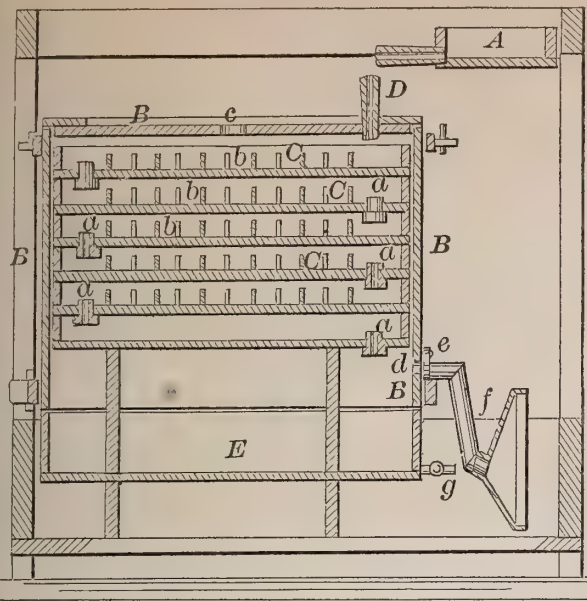
63495—Force & Egnew—*Weather Strip.*



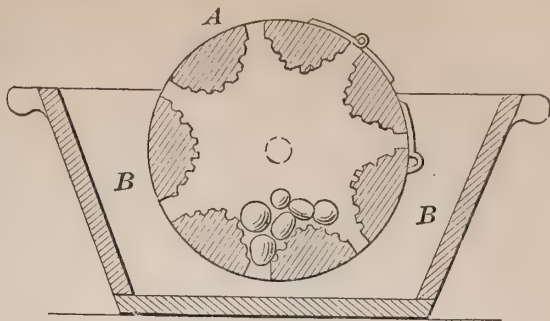


63500—C. F. Gillette—*Bed Bottom.*63503—J. L. Gray—*Die for Making Cans.*63501—J. W. Glass—*Corn Husker.*63504—J. L. Gray—*Soldering Machine.*63505—J. L. Gray—*Preserve Can.*63506—Gross & Rumsey—*Flour Bolt.*63502—S. J. Goodwin—*Paint Mill.*63507—R. Grotz—*Bridge.*

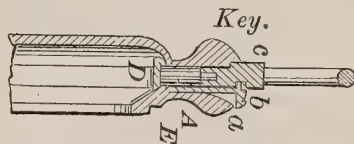
63508—T. Grundmann—*For Making Vinegar.*



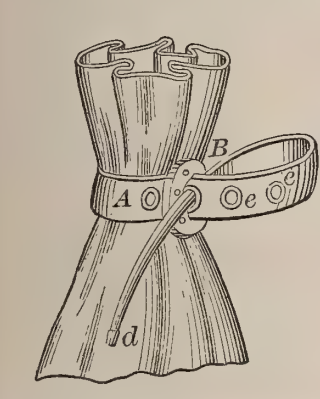
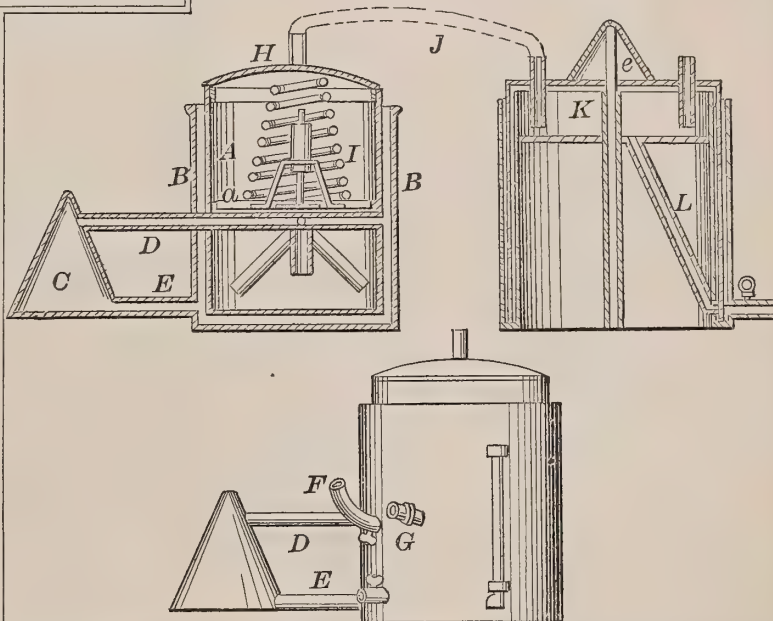
63509—A. W. Hall—*Washing Machine.*



63513—J. A. Hanmann—*Watch Pendant*

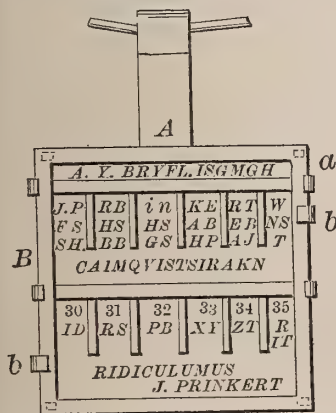


63511—D. Hall—*For Carburetting Gas and Air.*

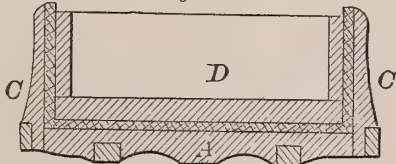


63510—D. B. Hall—*Bag Tie.*

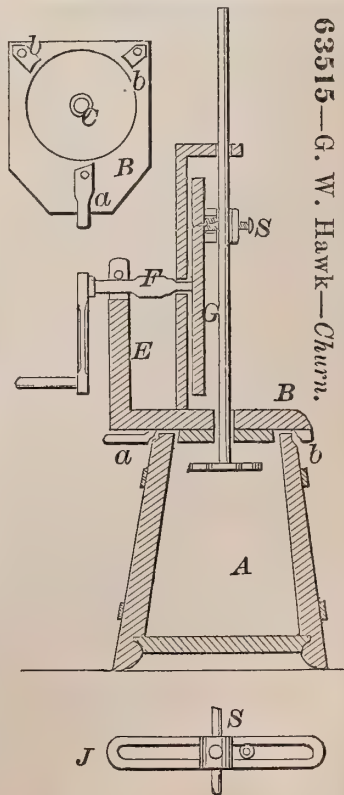
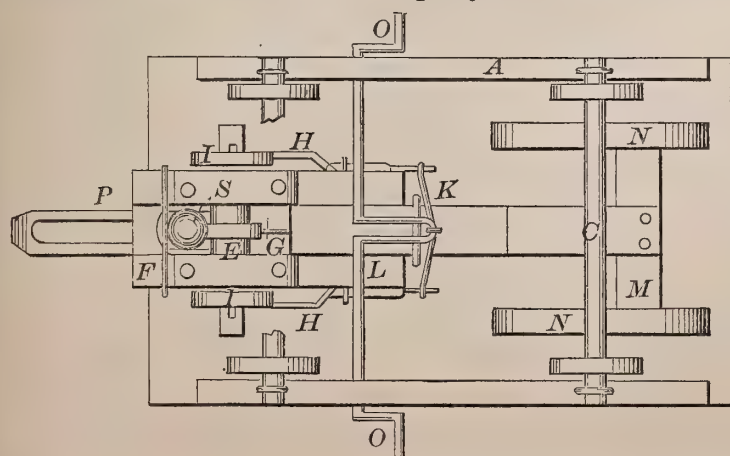
63512—S. Hallock—*Conductor for Electrotyping.*



63516—H. S. Heemance—*Wagon.*



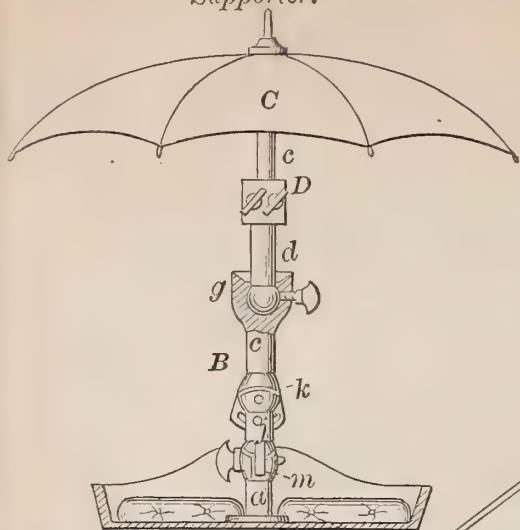
63514—J. H. Harris—*Car Coupling.*



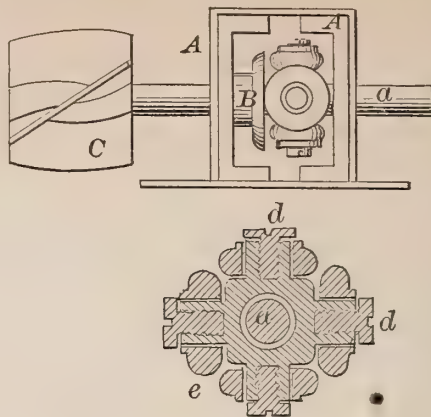
63515—G. W. Hawk—*Churn.*



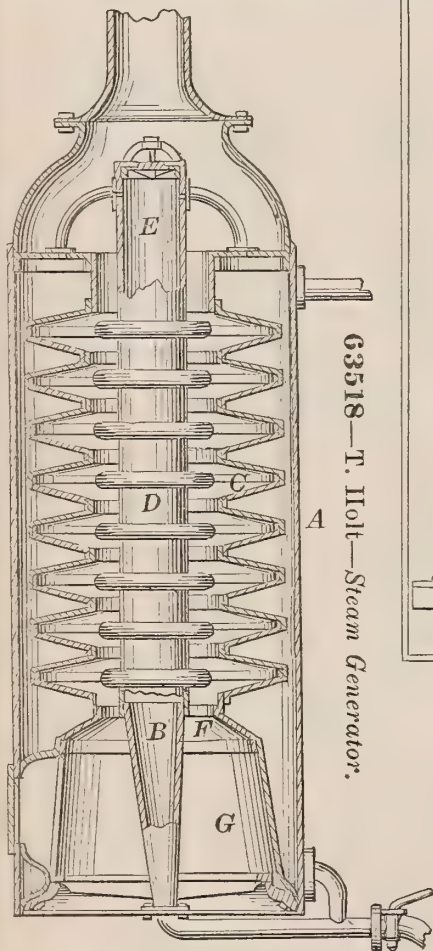
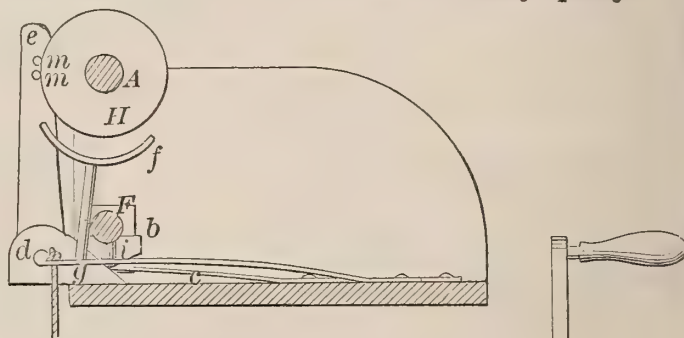
**63517**—H. S. Hcemance—*Umbrella  
Supporter.*



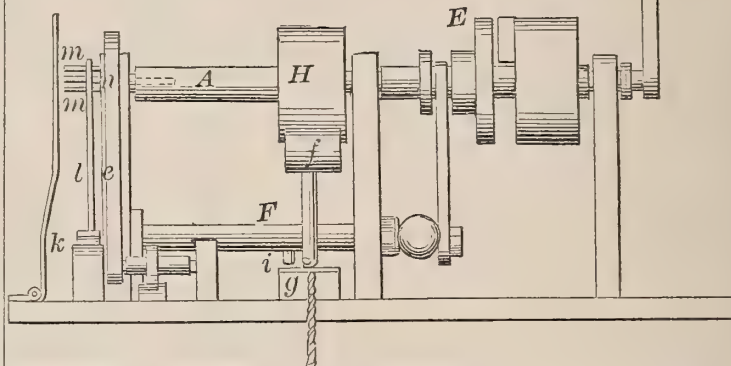
**63520**—T. Hotchkiss—*Friction Wheel.*



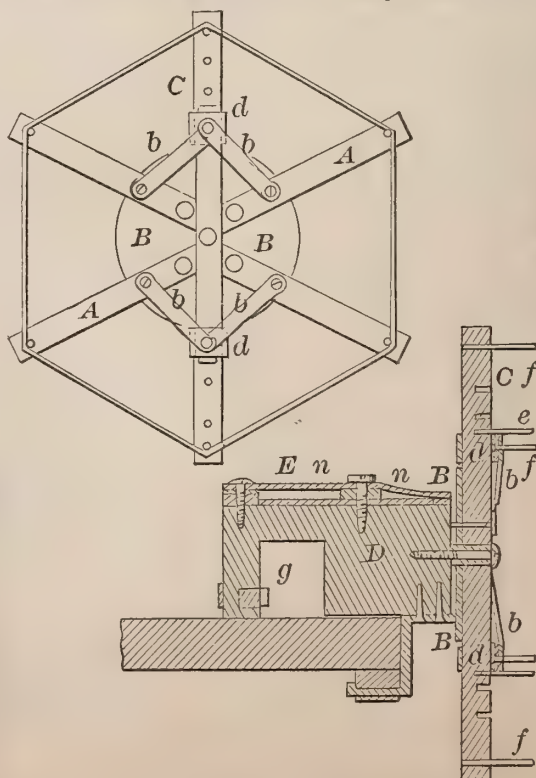
**63521**—S. McG. Hunter—*For Coiling Springs.*



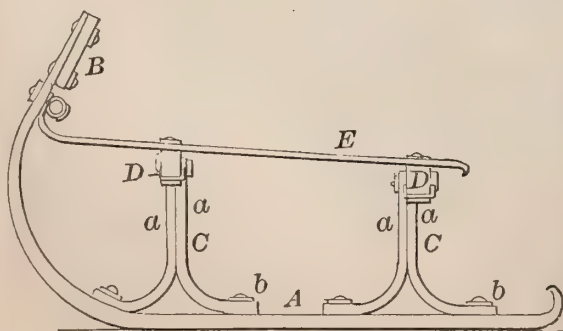
**63518**—T. Holt—*Steam Generator.*



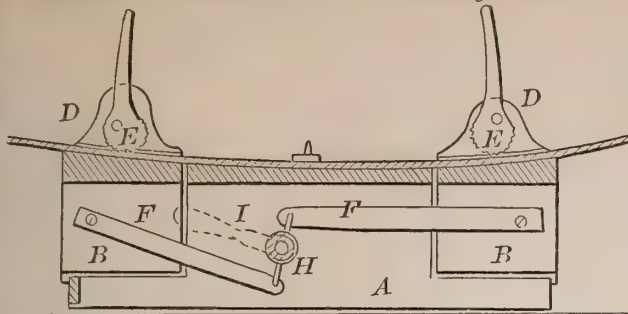
**63519**—G. W. Horton—*Swift and Reel.*



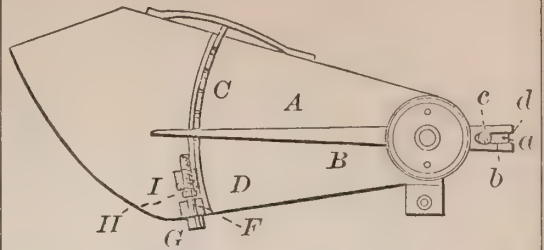
**63522**—W. H. Huyck—*Sleigh.*



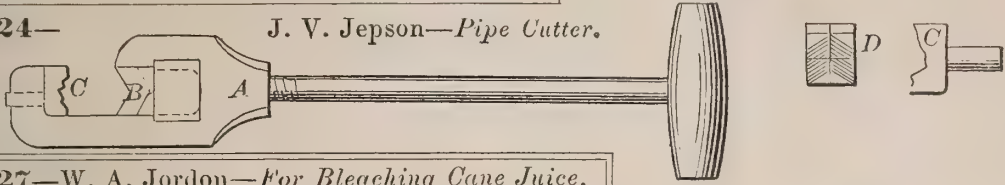
63523—C. Jackson—For Shrinking Tires.



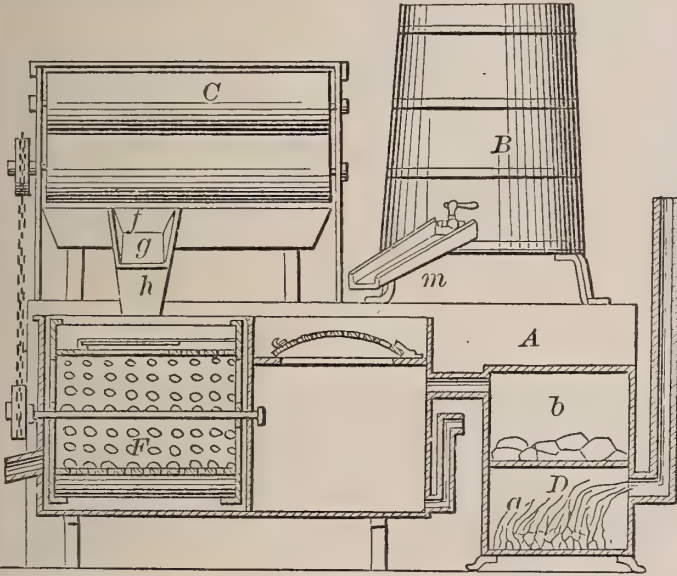
63525—A. Jewett—Watch Regulator.



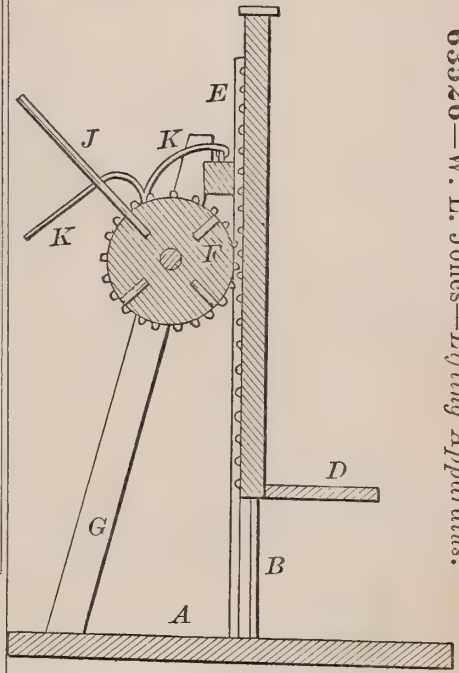
63524—J. V. Jepson—Pipe Cutter.



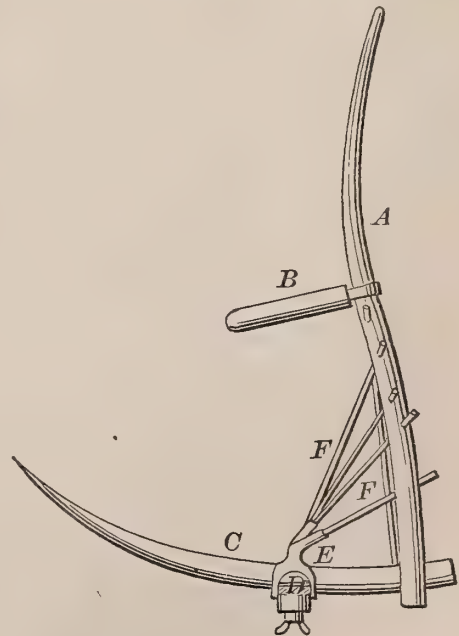
63527—W. A. Jordon—For Bleaching Cane Juice.



63526—W. L. Jones—Lifting Apparatus.



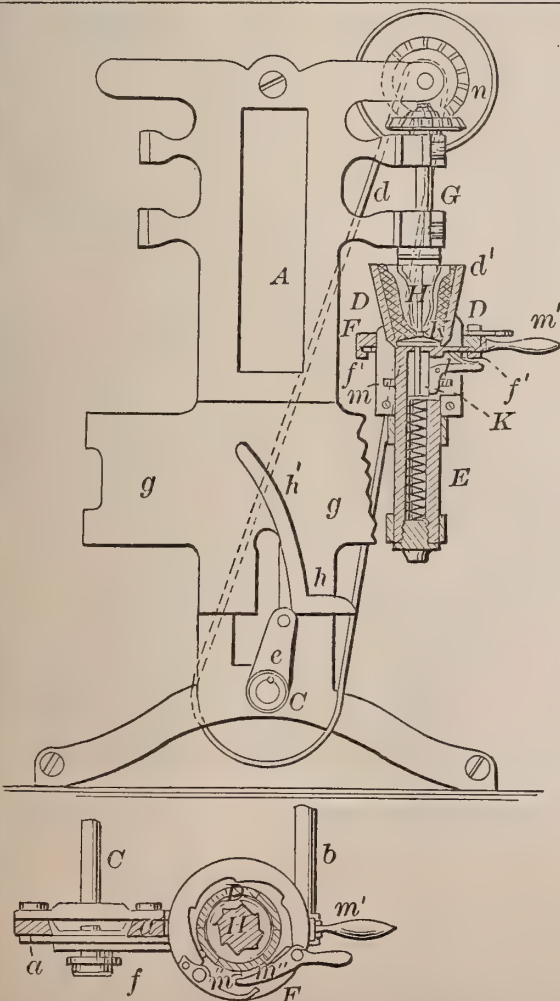
63530—C. P. Kelsey—Grain Cradle.



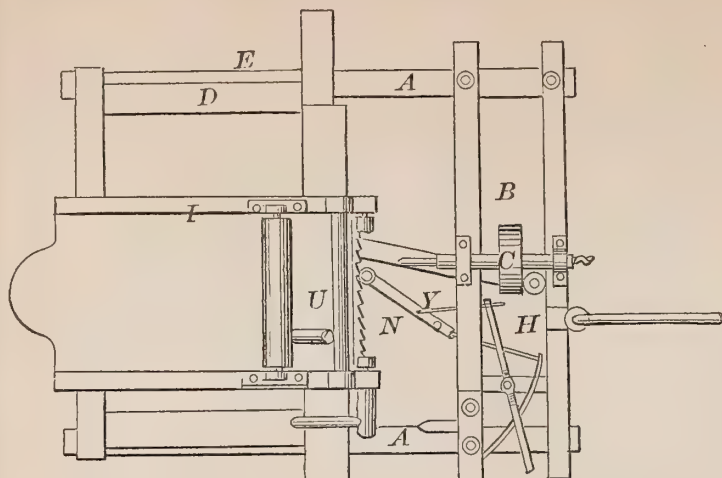
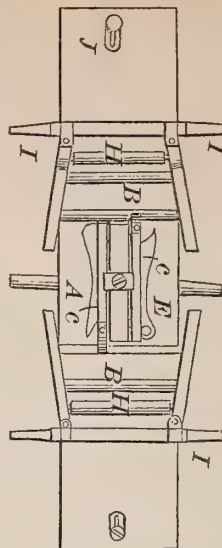
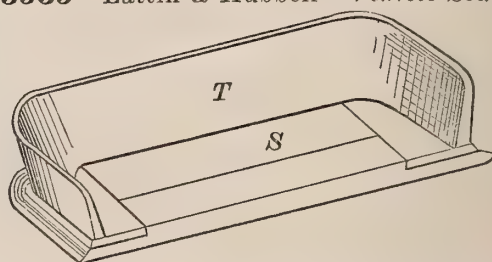
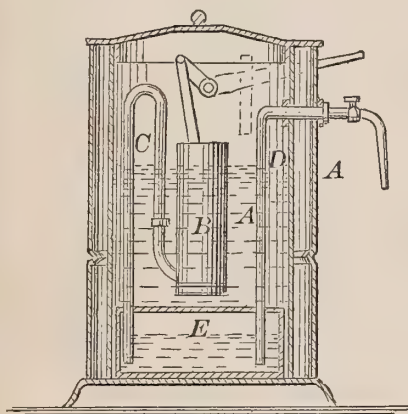
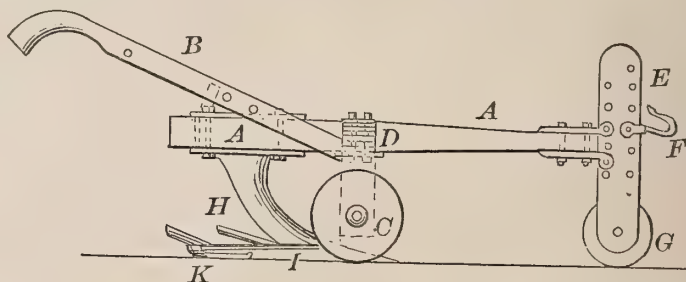
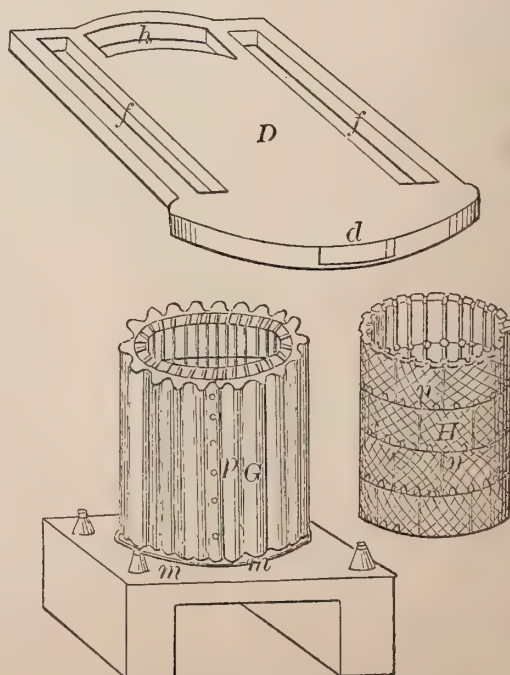
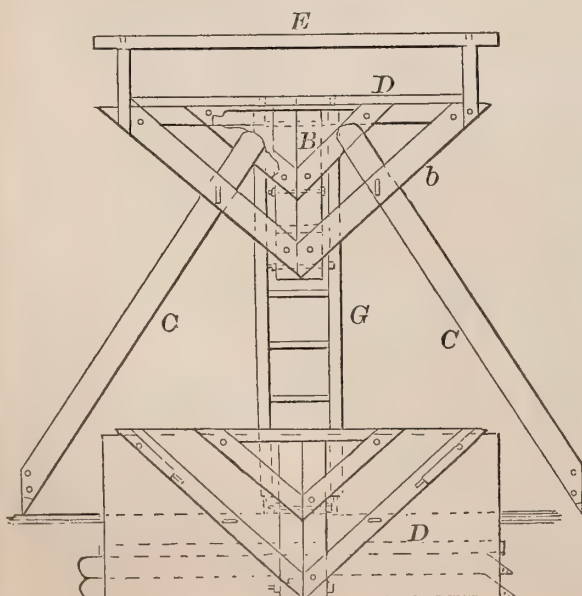
63531—P. Kenny—Shirt Stud.



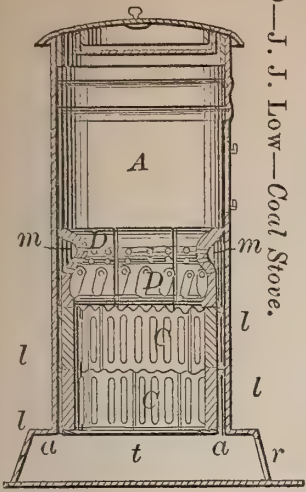
63529—Keil & Trosch—For Moulding Pottery.



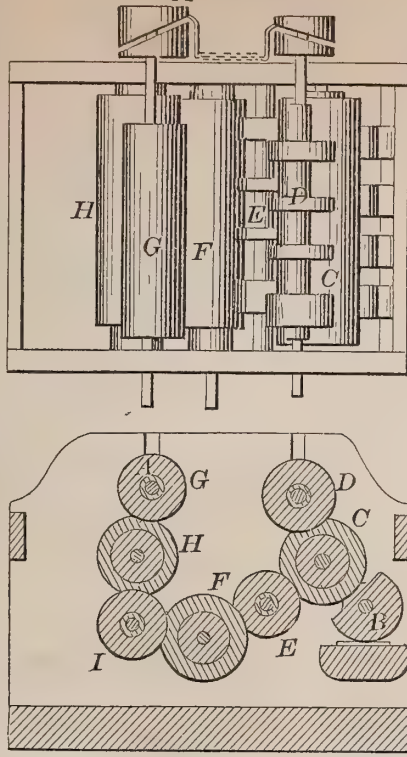


63532—C. B. Knapp—*Boring Machine.*63533—D. I. Langworthy—*Piano Forte Mover.*63535—Lattin & Hubbell—*Vehicle Seat.*63537—T. A. Long—*Soda Fountain.*63534—C. G. Lathrop—*Weed Cutter.*63538—J. J. Low—*Coal Stove.*63536—H. Littlefield—*Scaffold.*

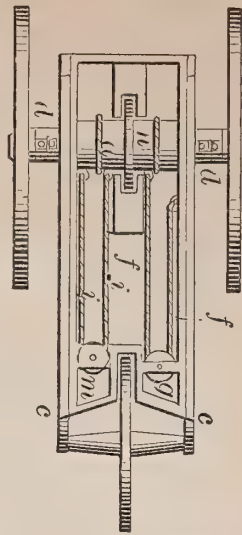
635339—J. J. Low—Coal Store.



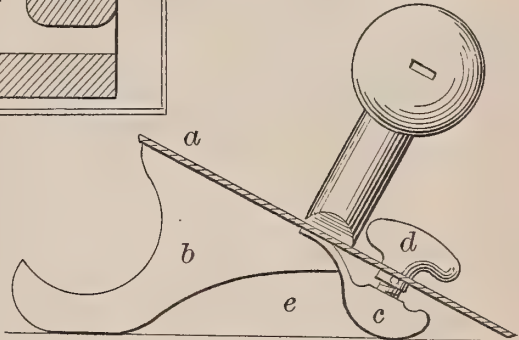
63540—J. K. Lowe—Inking Apparatus.



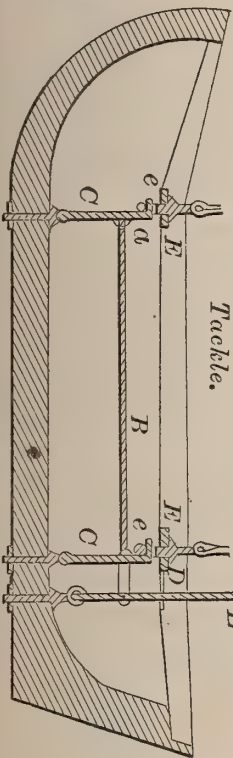
63541—T. A. Madison—Children's Carriage.



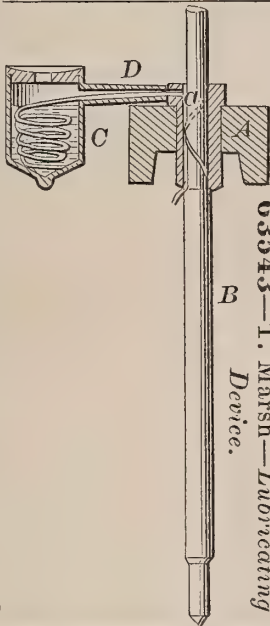
63542—T. A. Madison—Plastering Trowel.



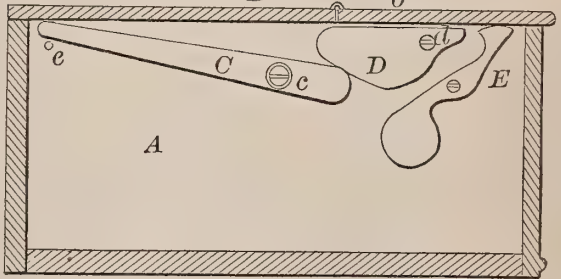
63544—G. B. Massey—Boat Detaching Tackle.



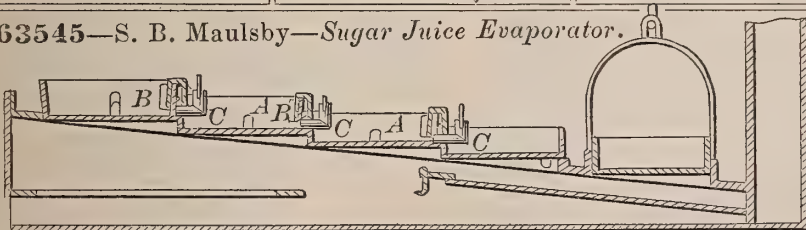
63543—T. Marsh—Lubricating Device.



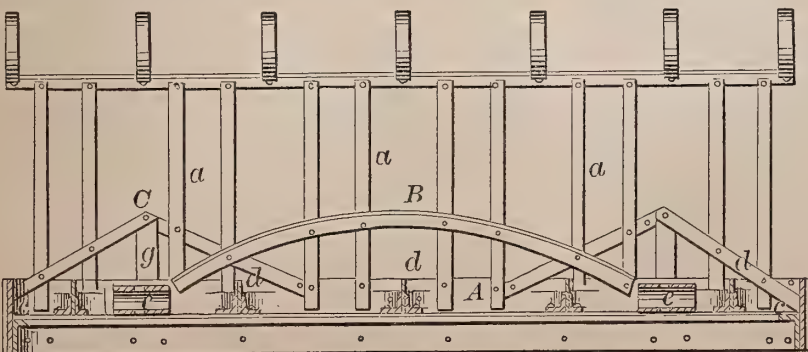
63546—C. E. McDonald—Prop Stick for Piano Fortes.



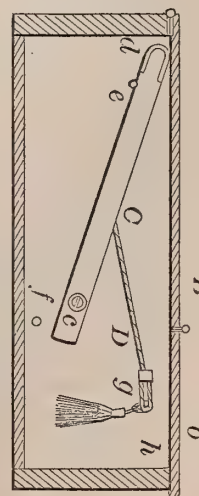
63545—S. B. Maulsby—Sugar Juice Evaporator.



63548—S. Merrick—Car Body Frame.

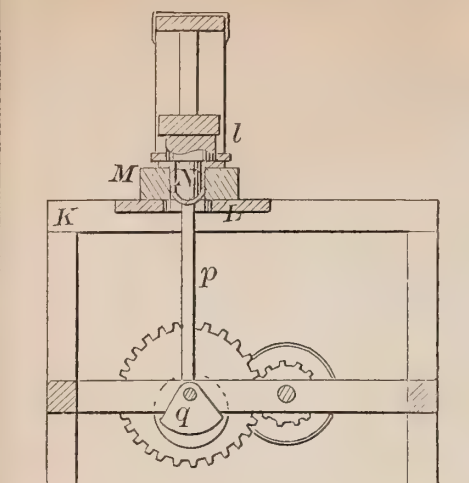


63547—W. H. McDonald—Piano Forte.

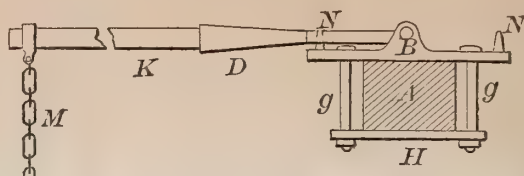




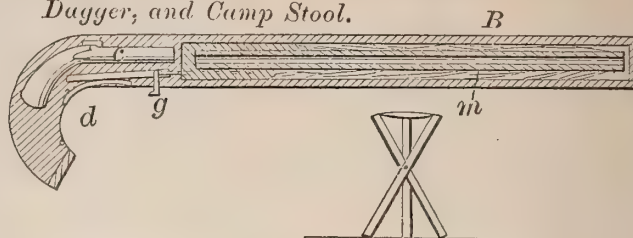
63549—S. S. Middlebrook—Hut Blocking Machine.



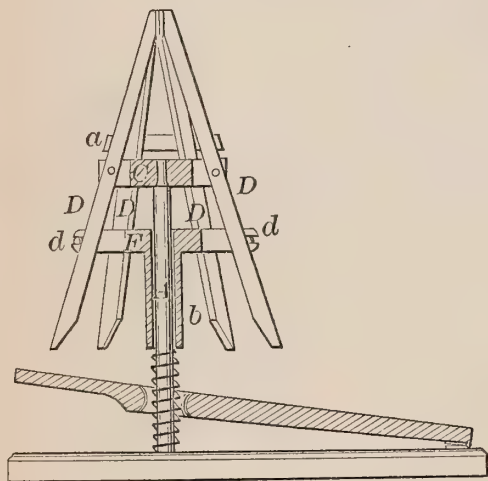
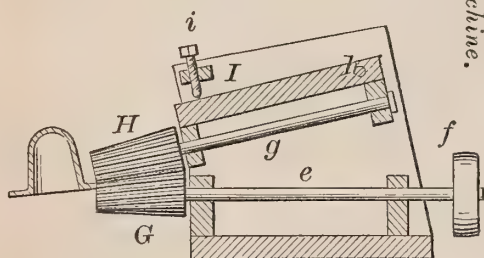
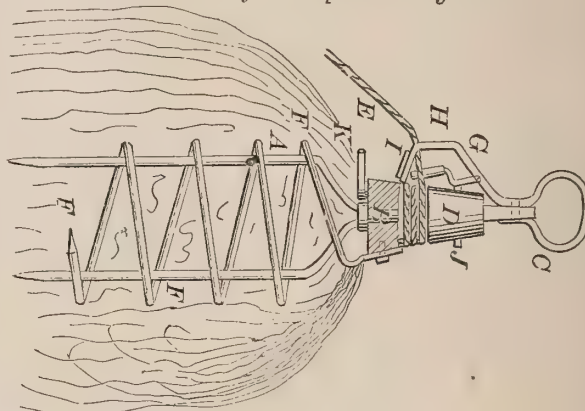
63551—C. Morris—Marking Attachment for Plows.



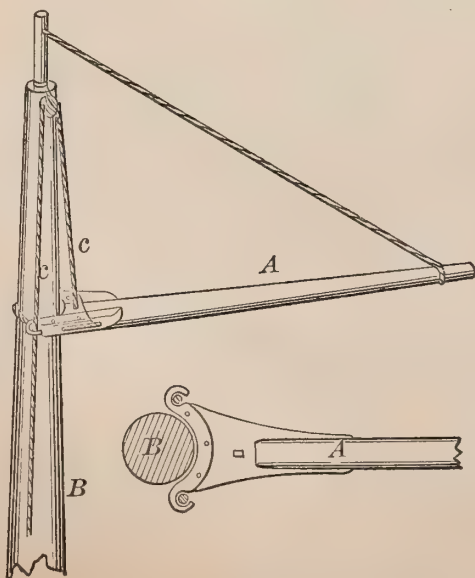
63552—D. Morrison—Cane, Umbrella, Pistol, Dagger, and Camp Stool.



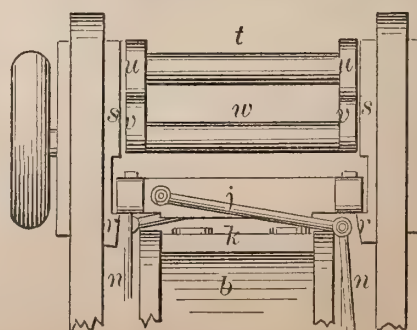
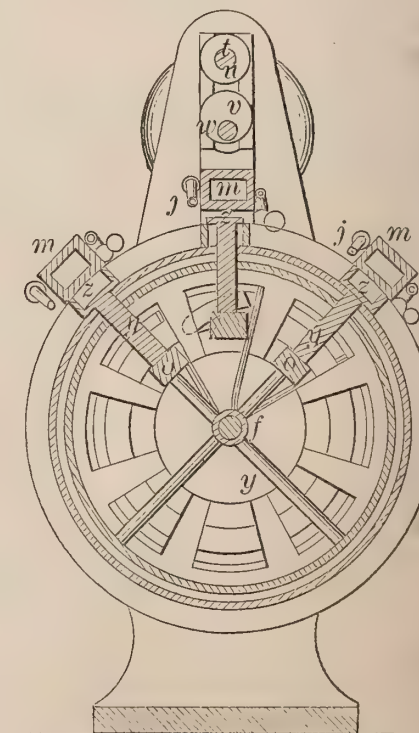
63554—H. Neumeyer—Spiral Hay Fork.



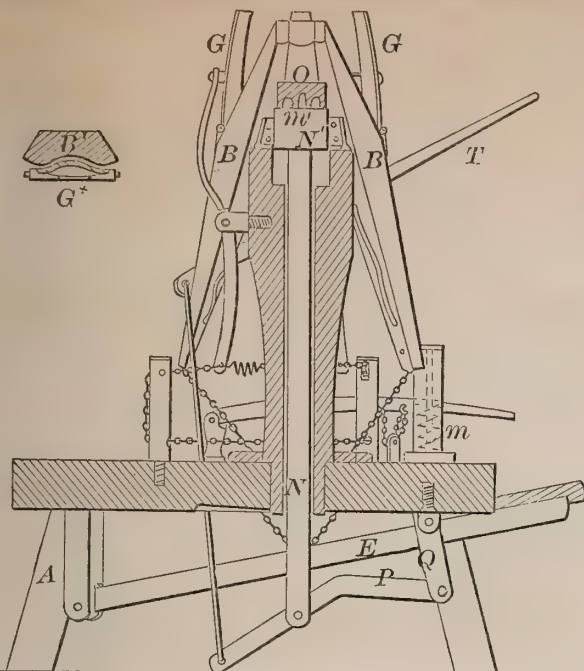
63555—G. C. Pattison—Gaff for Ship's Spars.



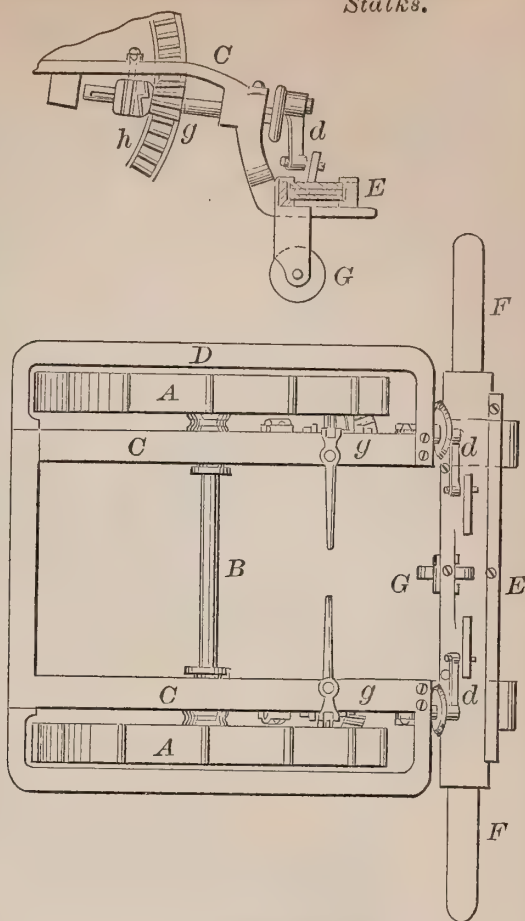
63550—J. R. Moffitt—For Moulding and Vulcanizing Rubber.



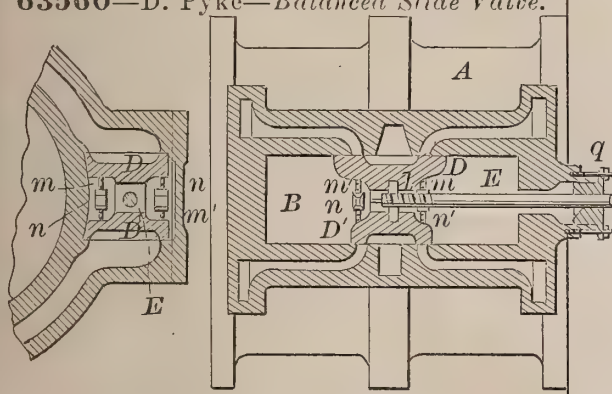
**63556**—S. Polley—Steaming on Hat Bodies.



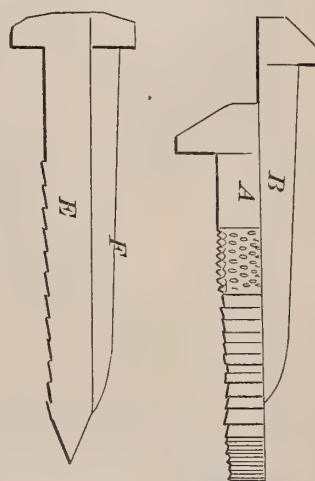
**63559**—Pye & Souther—For Cutting Stalks.



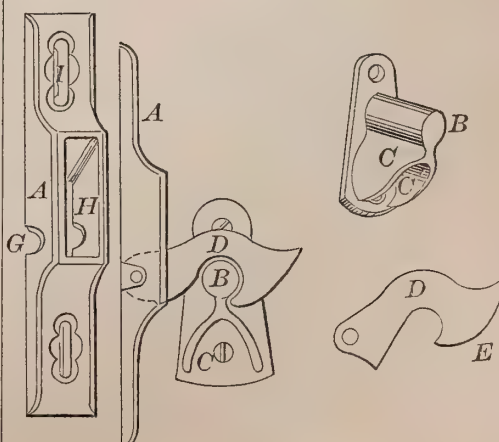
**63560**—D. Pyke—Balanced Slide Valve.



**63558**—A. Prentiss—Spike and Nail.

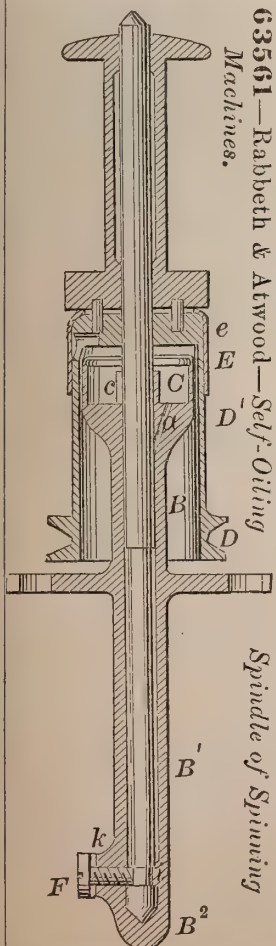


**63562**—C. W. Rhoads—Gate Latch.

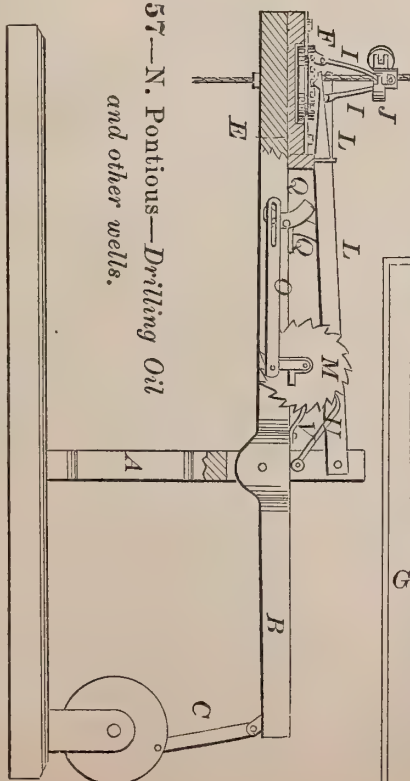


**63561**—Rabbeth & Atwood—Self-Oiling Machines.

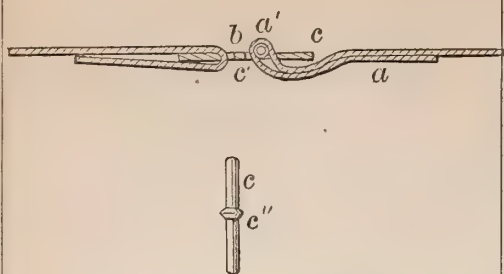
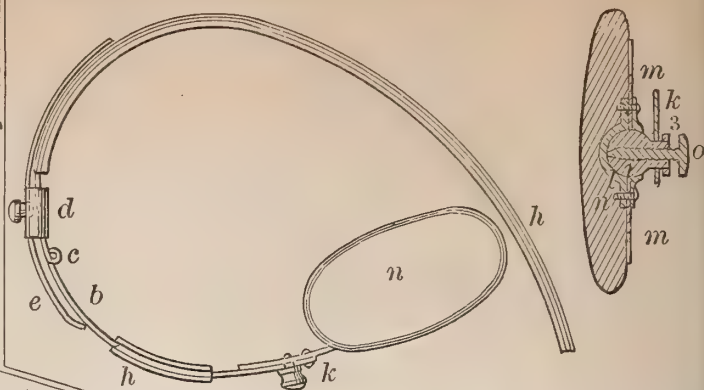
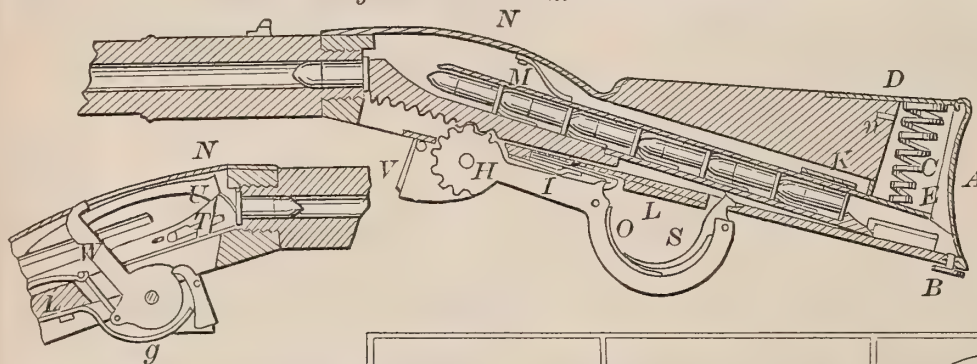
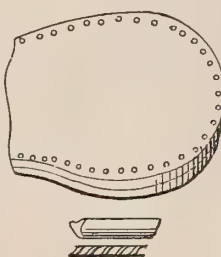
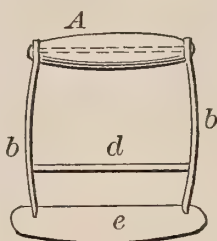
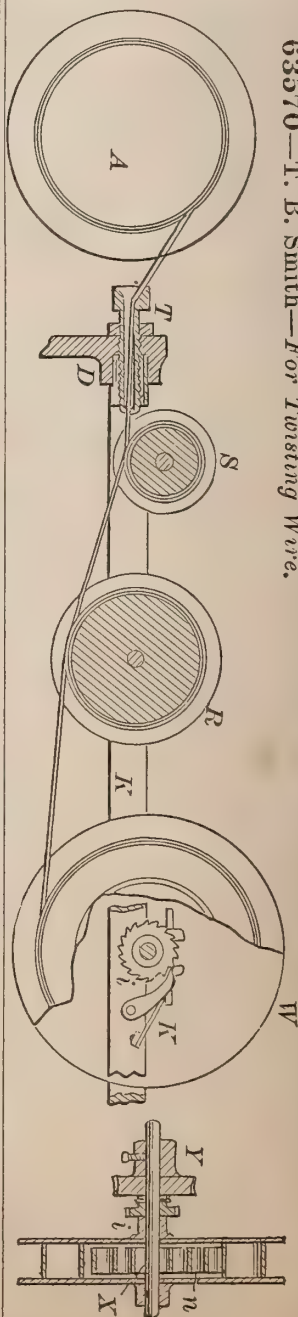
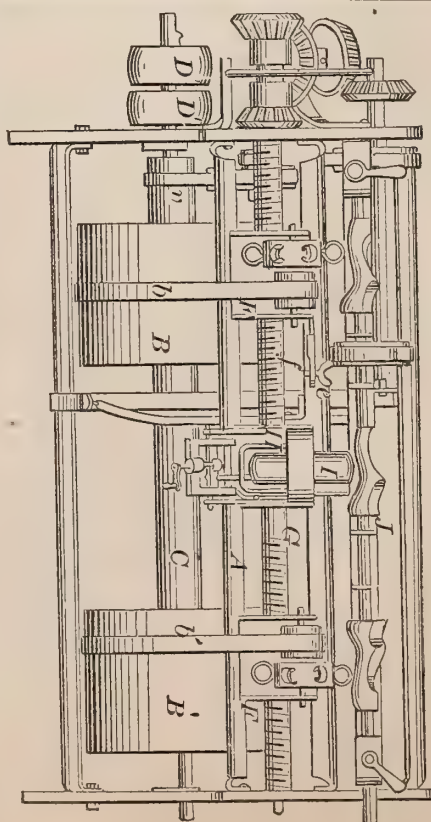
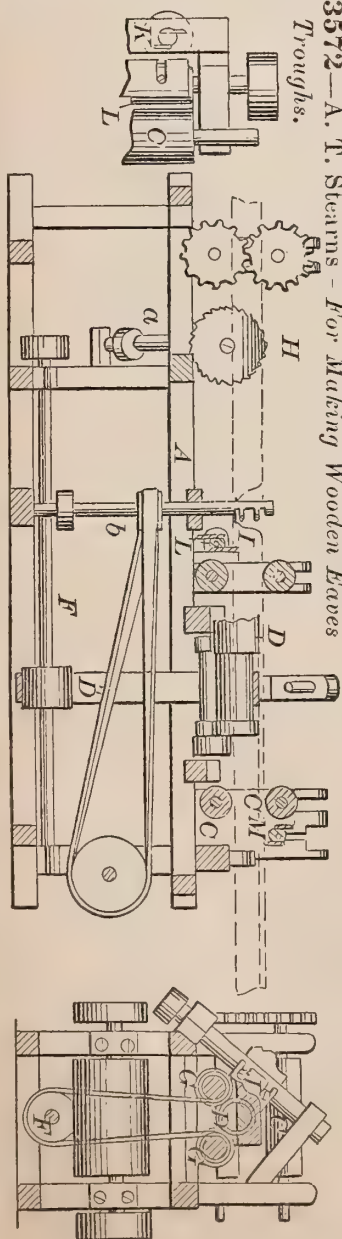
Spindle of Spinning



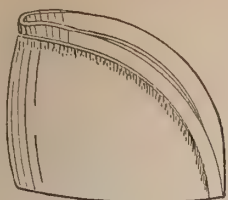
**63557**—N. Pontious—Drilling Oil and other wells.



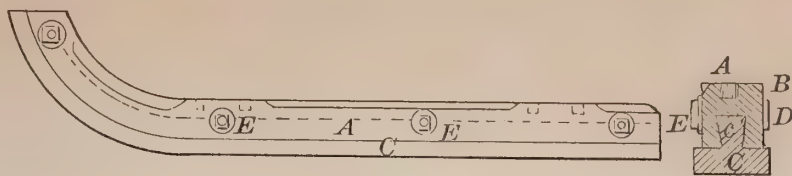


63563—S. O. Ryder—*Bale Tie.*63565—J. A. Sherman—*Truss.*63564—P. Sheckler—*Magazine Fire Arm.*63568—T. B. Smith—*Boots and Shoes.*63569—  
T. B. Smith—*Boots and Shoes.*63566—E. Smith—*Meat and Vegetable Chopper.*63570—T. B. Smith—*For Twisting Wire.*63571—M. Spenli—*Wood Turning Lathe.*63572—A. T. Stearns—*For Making Wooden Eaves Troughs.*

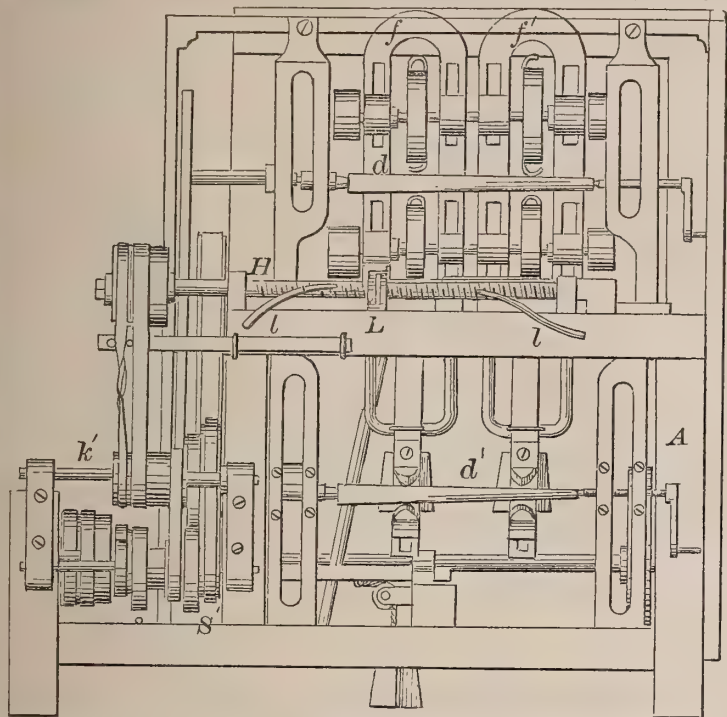
**63573**—E. M. Stevens—*Heel Stiffener.*



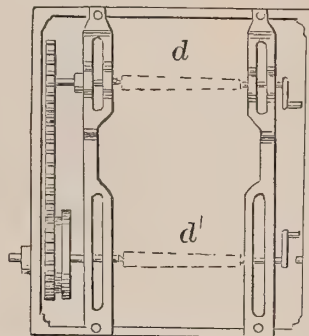
**63576**—C. Stoddard—*Sleigh Runner.*



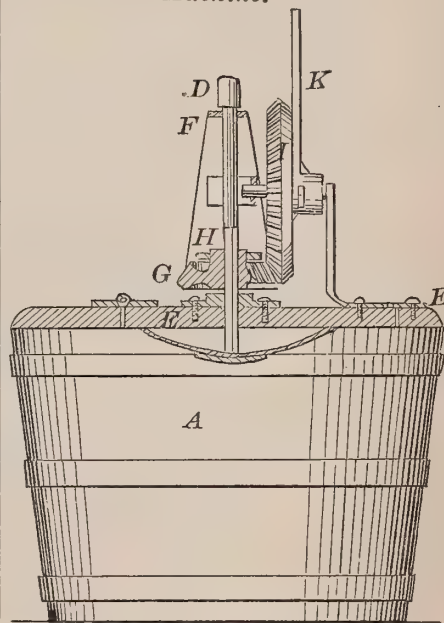
**63574**—A. R. Stewart—*Wood Lathe for Turning Irregular Forms.*



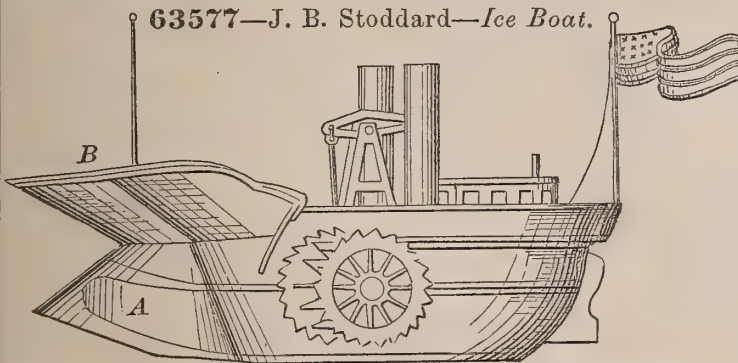
**Fig. 5**



**63579**—W. A. Terry—*Washing Machine.*



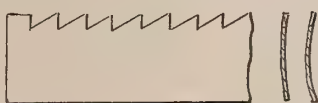
**63577**—J. B. Stoddard—*Ice Boat.*



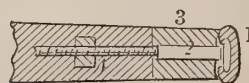
**63578**—J. E. Taber—*Sink Trap.*



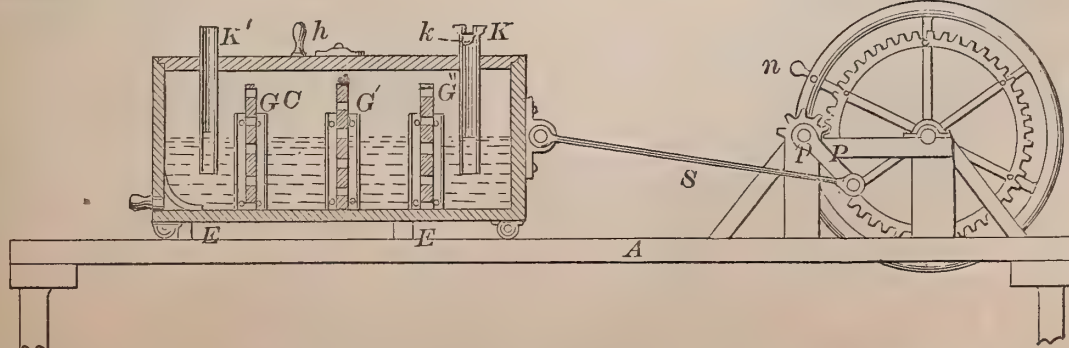
**63581**—E. W. Tilton—*Saw.*



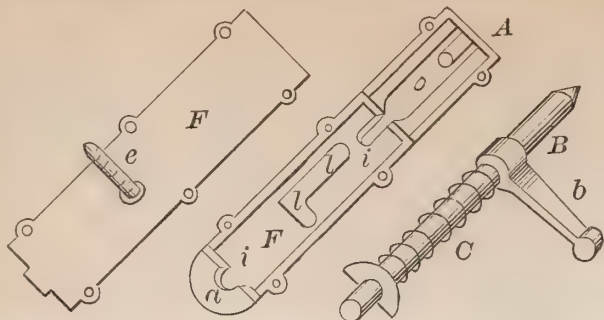
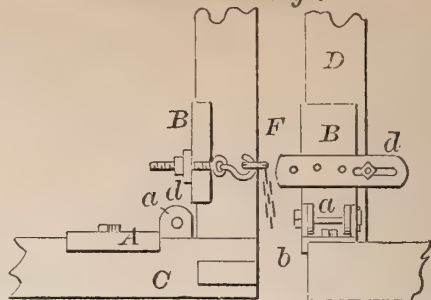
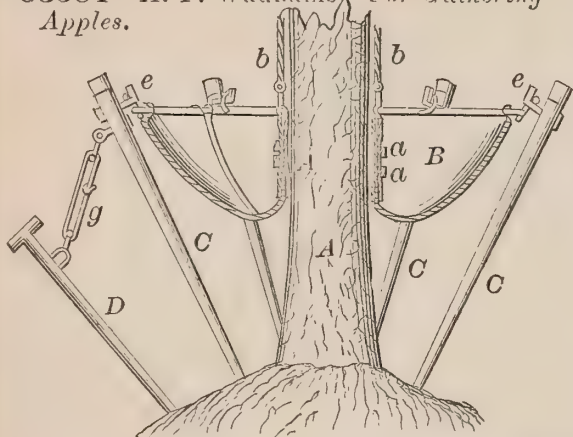
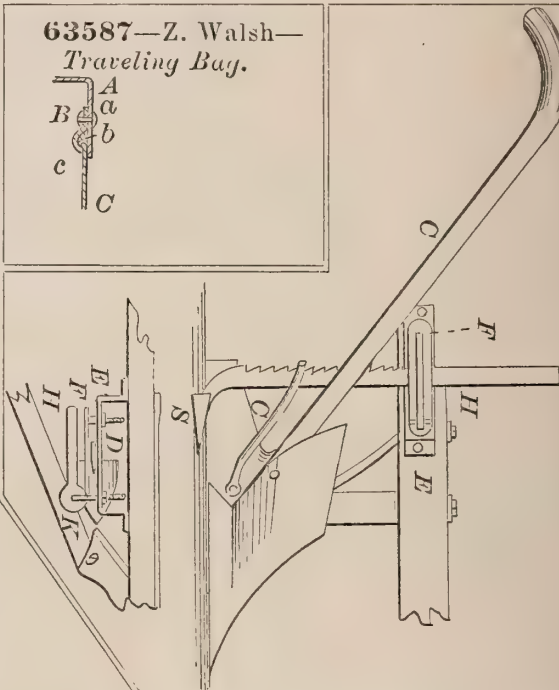
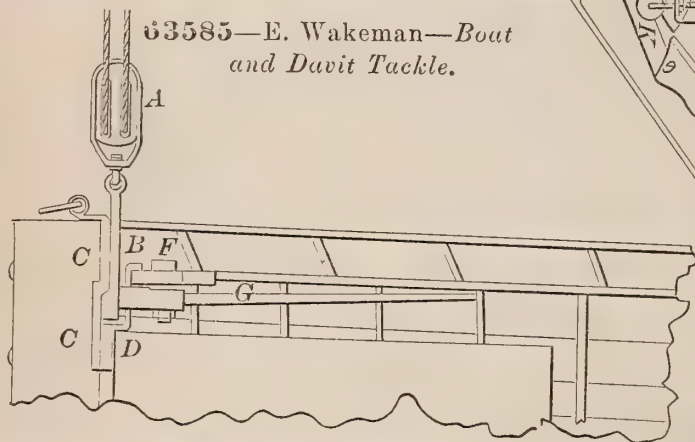
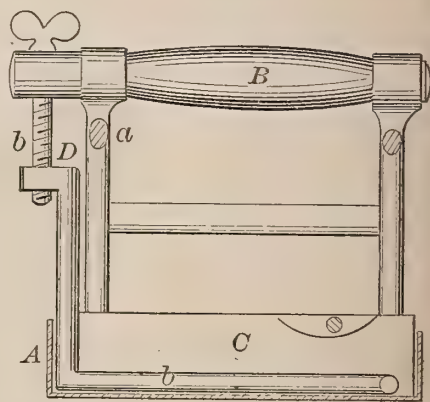
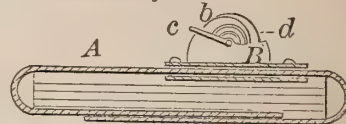
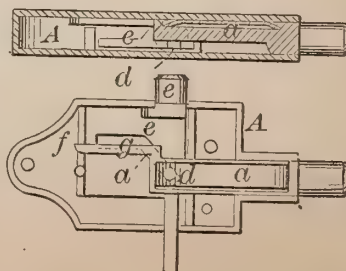
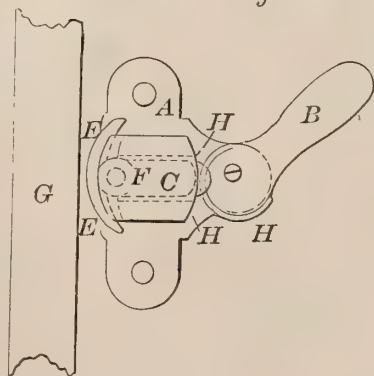
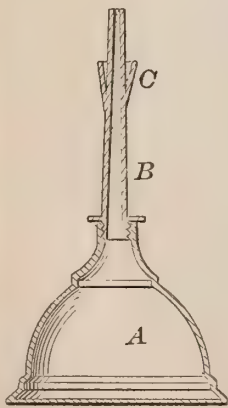
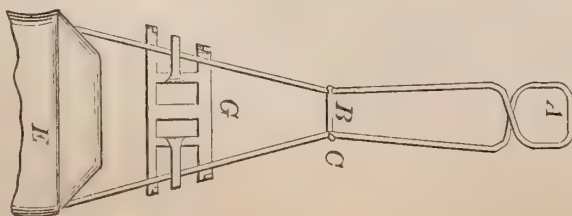
**63575**—E. B. Stocking—*Billiard Cue Tip and Fastener.*



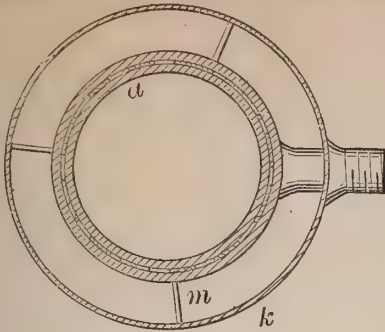
**63580**—A. E. Thorn—*Churn.*



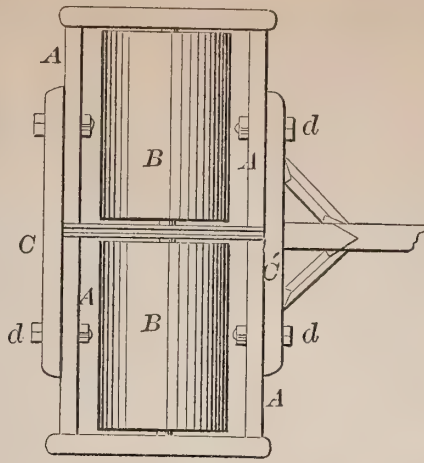


63582—J. G. Trout—*Burglar Alarm.*63583—J. V. Gaasbeek—*Raising Bents in Buildings.*63584—H. F. Wadhams—*For Gathering Apples.*63587—Z. Walsh—*Traveling Bag.*63586—W. R. Walpole—*Plow.*63585—E. Wakeman—*Boat and Davit Tackle.*63588—J. T. Warren—*Sad Iron.*63590—T. A. Weber—*Safety Attachment for Pocket Books.*63593—J. Wiard—*Sash Fastener.*63592—J. R. Whittemore—*Sash Fastening.*63591—J. A. Whitman—*Oil Can.*63594—S. P. Williams—*Fence.*

63595—S. R. Wilmot—*Steam Blower.*



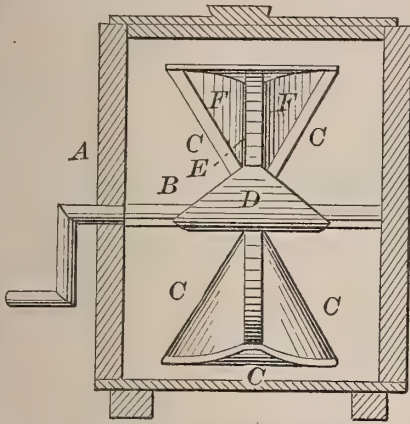
63597—J. Winans—*Land Roller.*



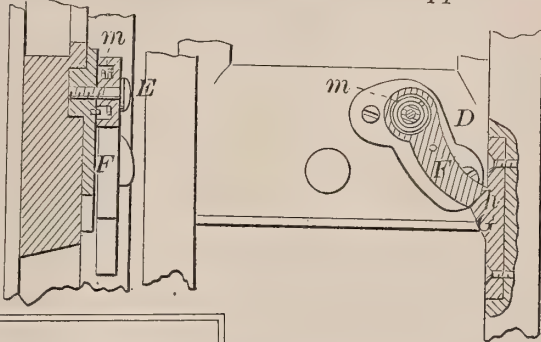
63598—W. D. Woods—*Table Cutlery.*



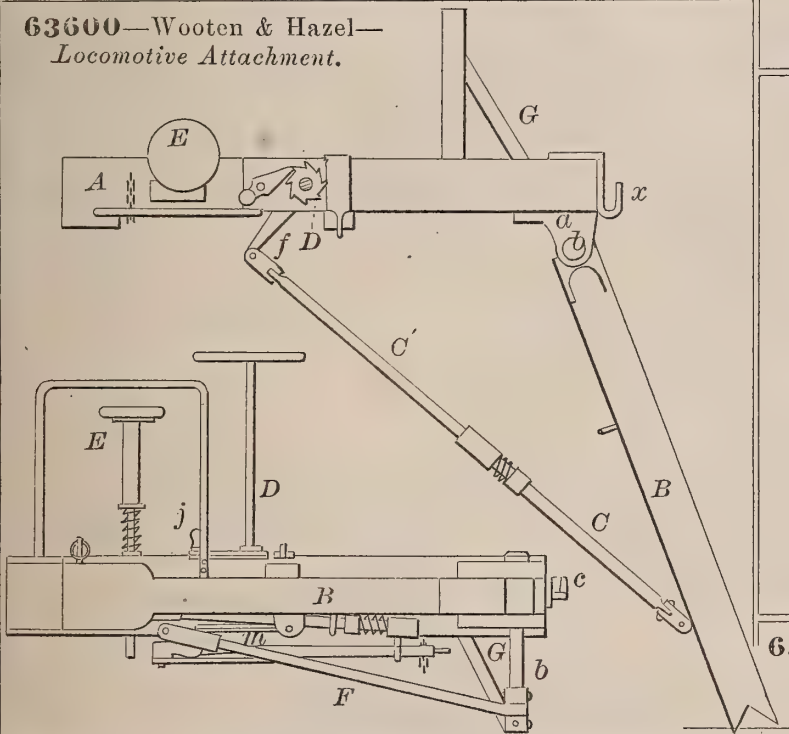
63596—G. W. Wilson—*Churn.*



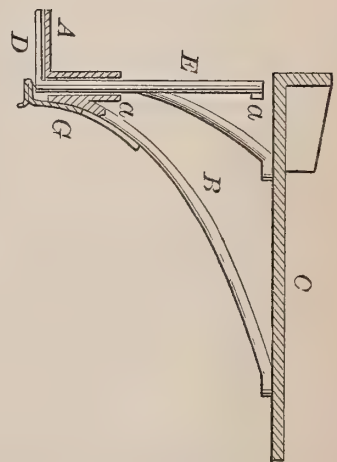
63599—J. E. Wooten—*Sash Supporter.*



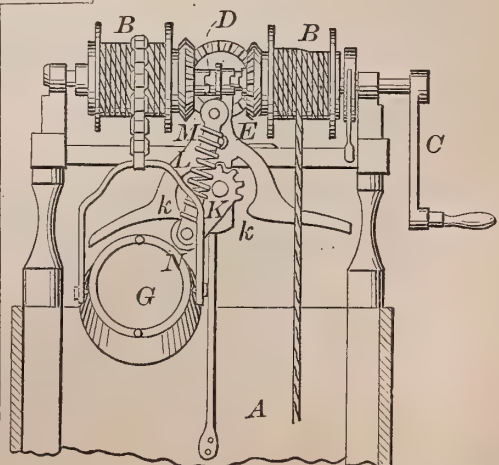
63600—Wooten & Hazel—*Locomotive Attachment.*



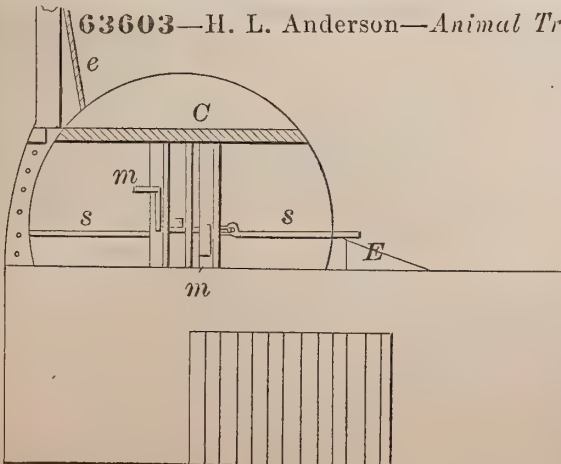
63601—J. H. Yager—*Carriage Step.*



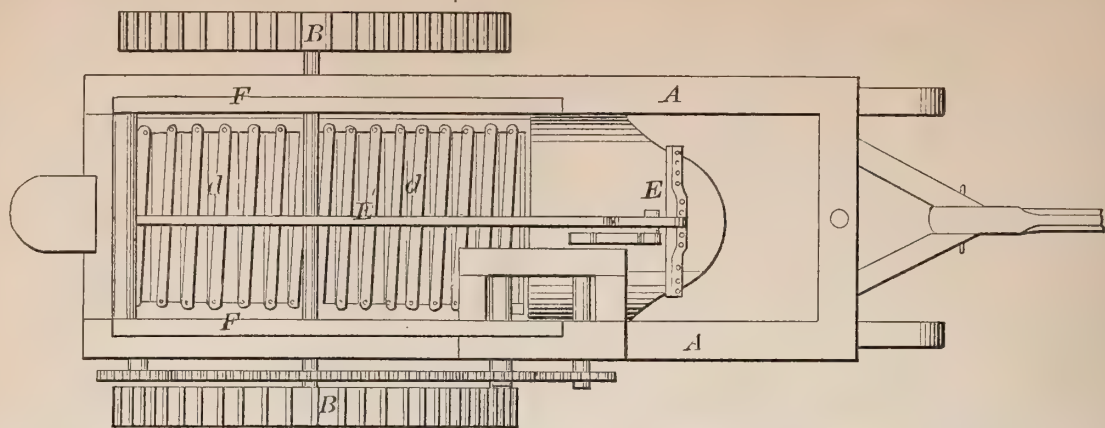
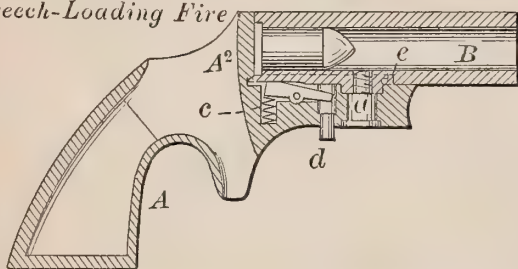
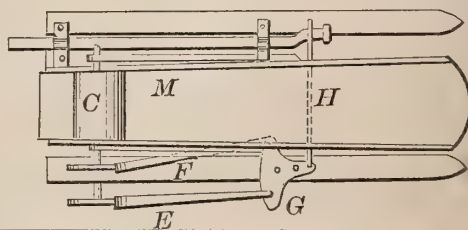
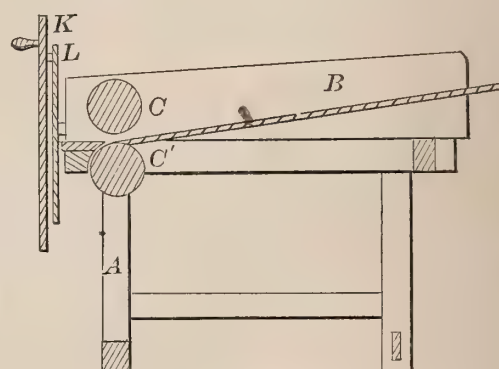
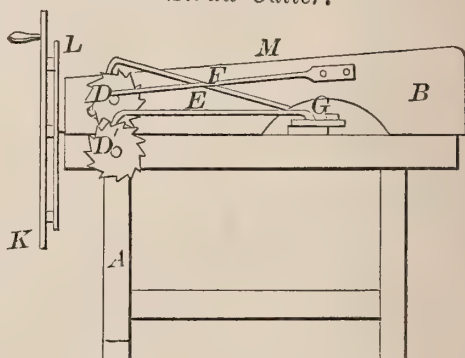
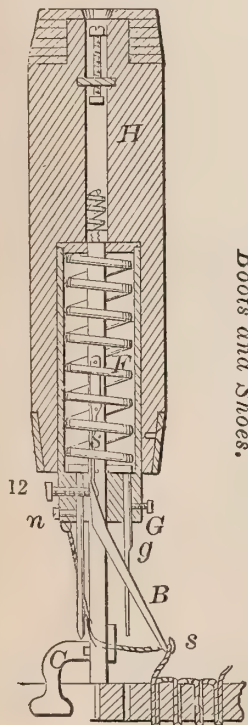
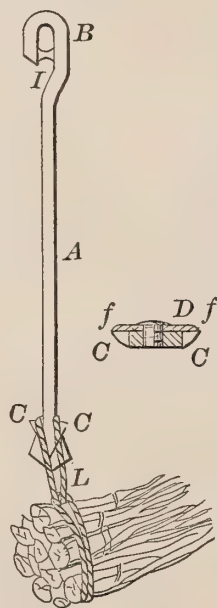
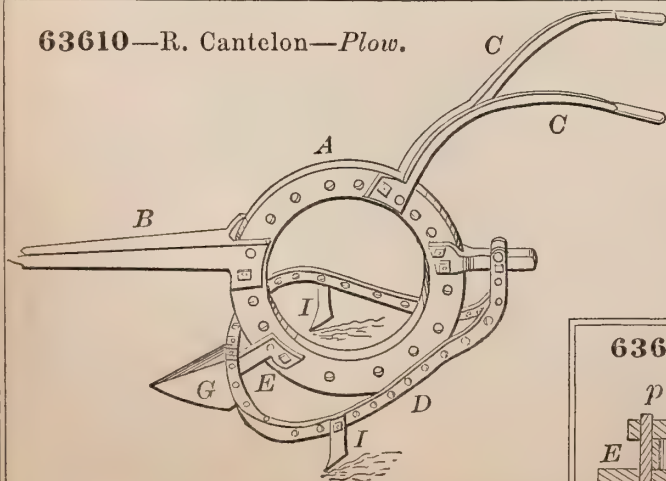
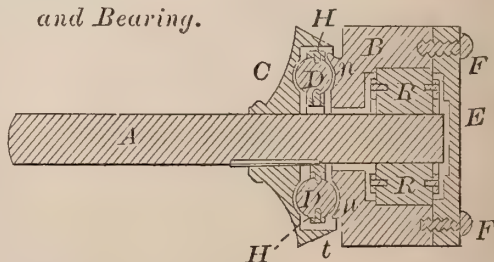
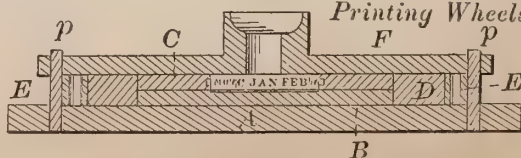
63602—E. L. & W. R. Yorks—*Water Elevator.*



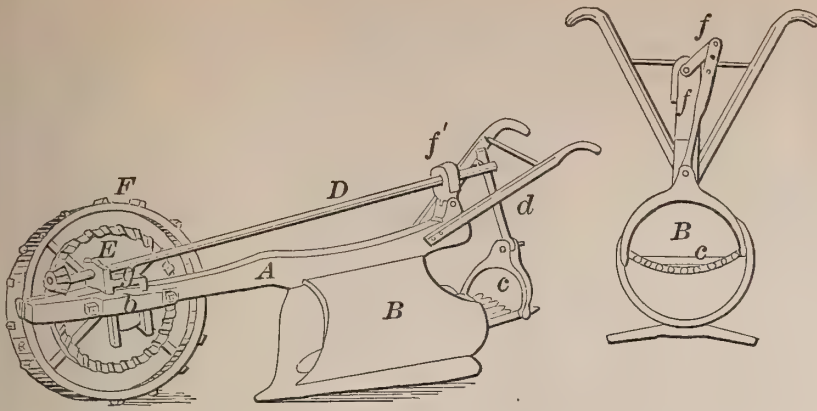
63603—H. L. Anderson—*Animal Trap.*



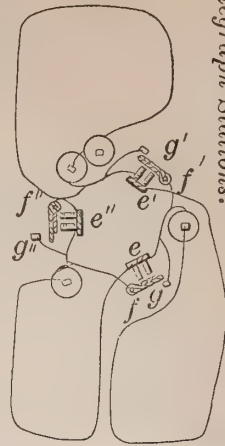


**63604**—Baldwin & Pope—*Potato Digging Machine.***63605**—C. H. Ballard—*Cartridge Ejector for Breech-Loading Fire Arms.***63606**—Bickle & Chestnut—*Straw Cutter.***63607**—F. H. Brown—*Sewing Machine for Soling Boots and Shoes.***63608**—J. S. & W. F. Browne—*Horse Hay Fork.***63610**—R. Cantelon—*Plow.***63609**—J. B. Caryl—*Journal Box and Bearing.***63611**—D. H. Chamberlain—*Casting Type on Printing Wheels.*

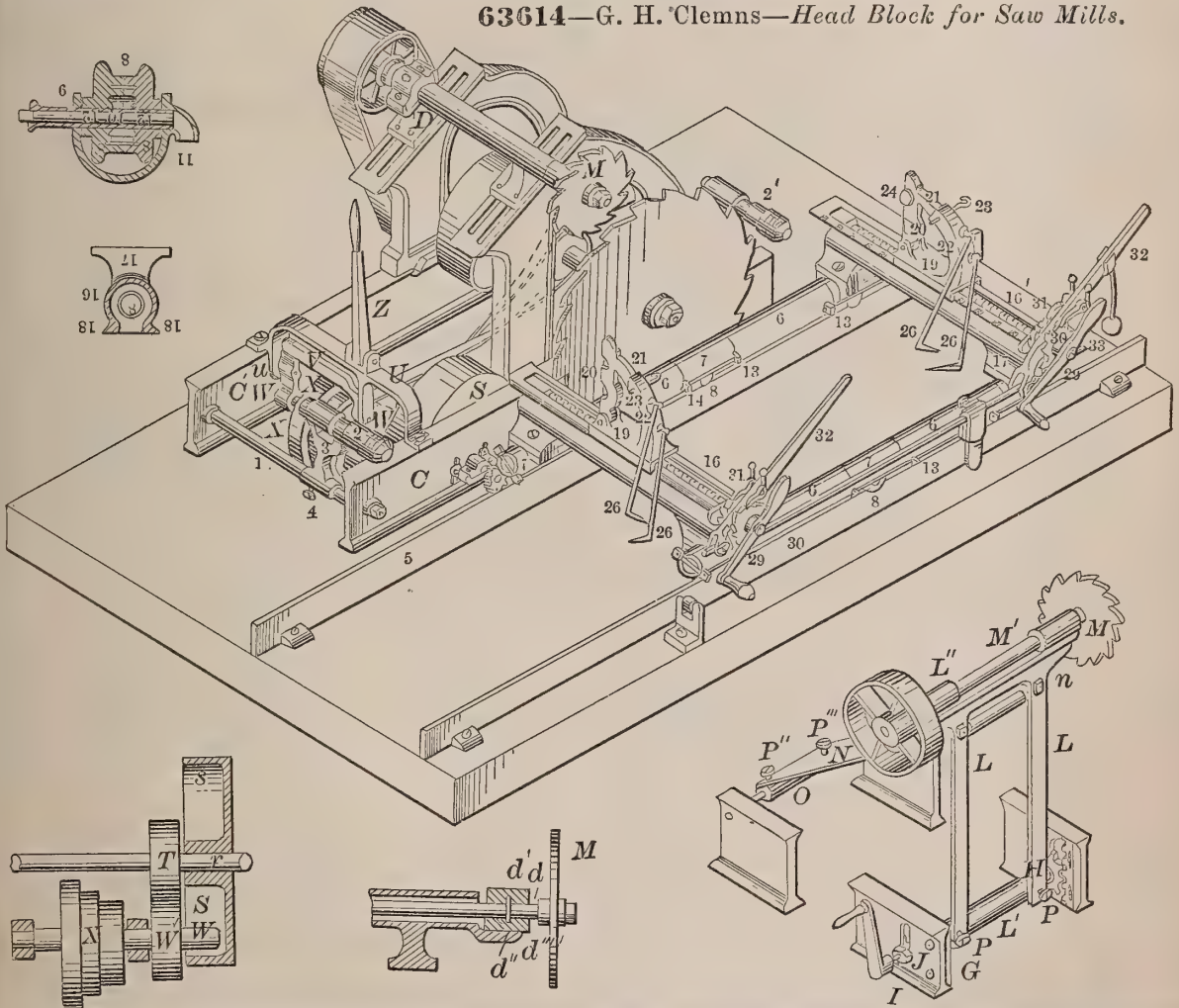
**63612**—A. F. Chandler—*For Digging Potatoes.*



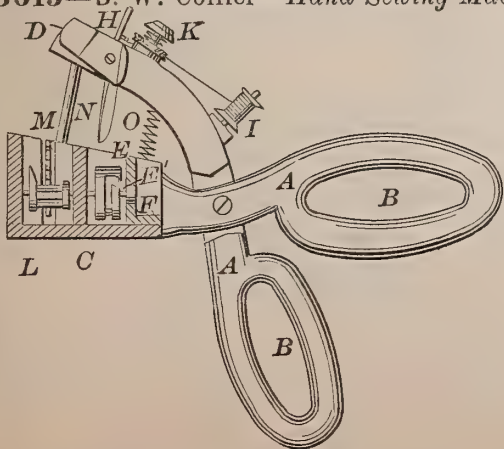
**63613**—S. Chester—*Connecting Telegraph Stations.*



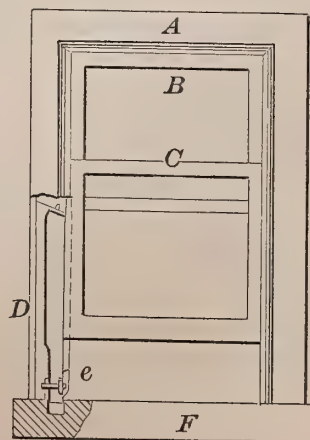
**63614**—G. H. Clemns—*Head Block for Saw Mills.*



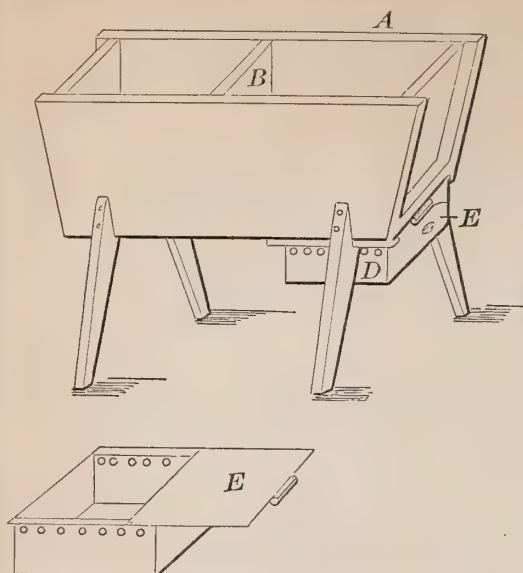
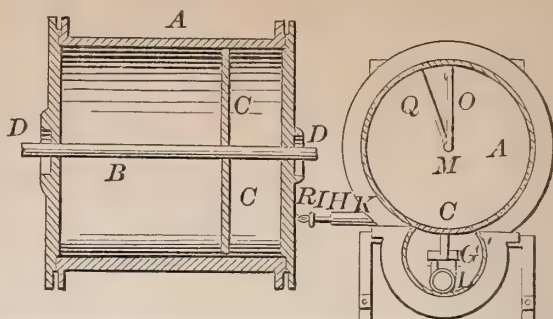
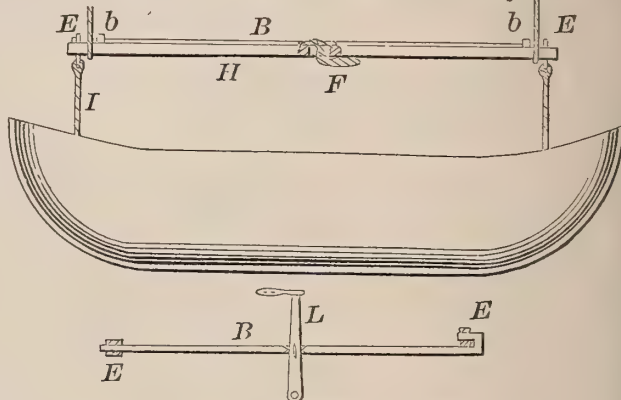
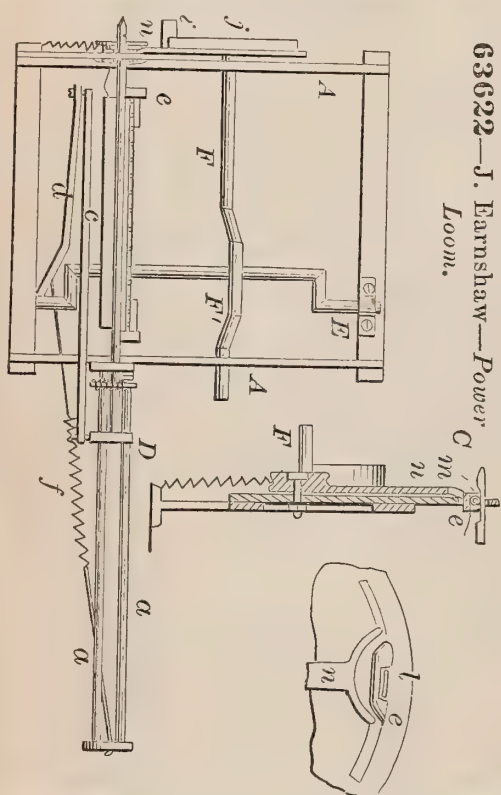
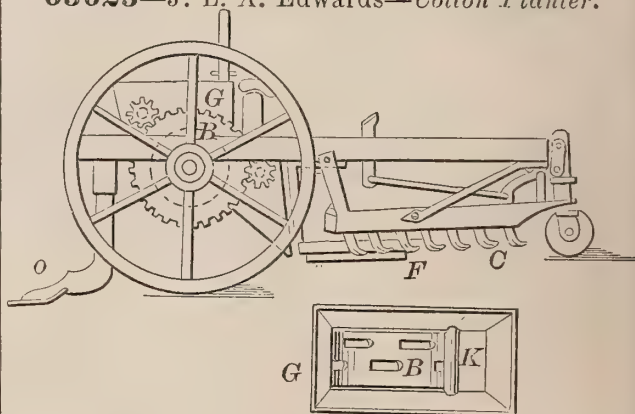
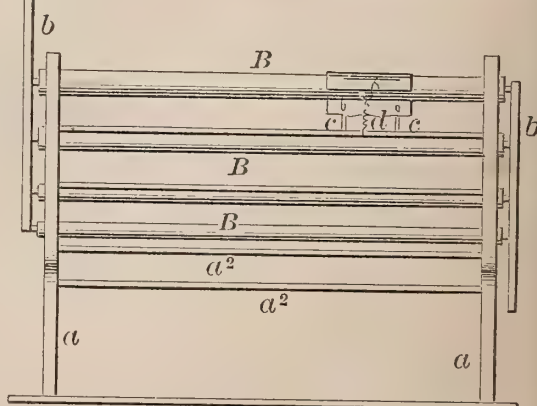
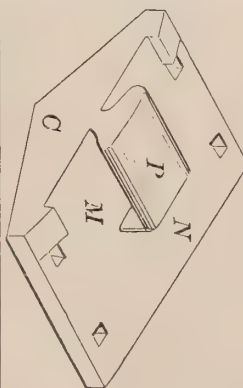
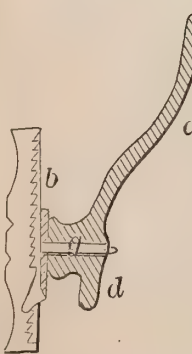
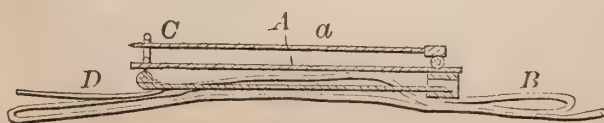
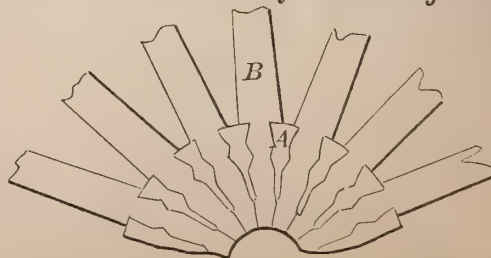
**63615**—B. W. Collier—*Hand Sewing Machine.*



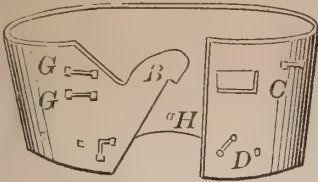
**63616**—C. Croley—*Window Frame.*



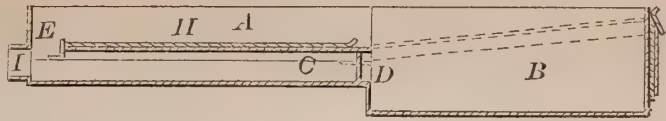


**63617**—J. G. Denius—*Dough Tray*.**63619**—D. Dick—*Air and Gas Engine*.**63620**—W. C. Dodge—*Boat Detaching Tackle*.**63622**—J. Barnshaw—*Power Loom*.**63623**—J. L. A. Edwards—*Cotton Planter*.**63626**—L. Francis—*Spring Back for Books*.**63624**—S. T. Emerson—*Switch Chair*.**63621**—E. Doen—*Curtain Fixture*.**63625**—L. H. Foy—*Pin*.**63628**—D. B. Goewey—*Mortising Hubs*.

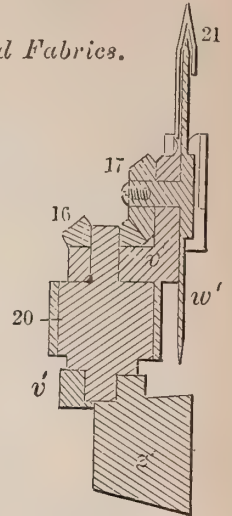
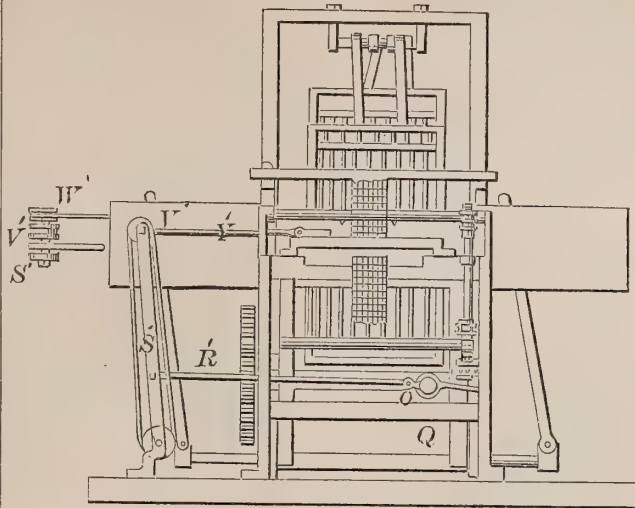
63629—H. H. & M. L. Gridley—*Fruit Box.*



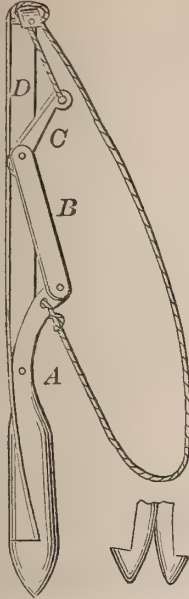
63630—L. C. Hains—*Cheese Vat.*



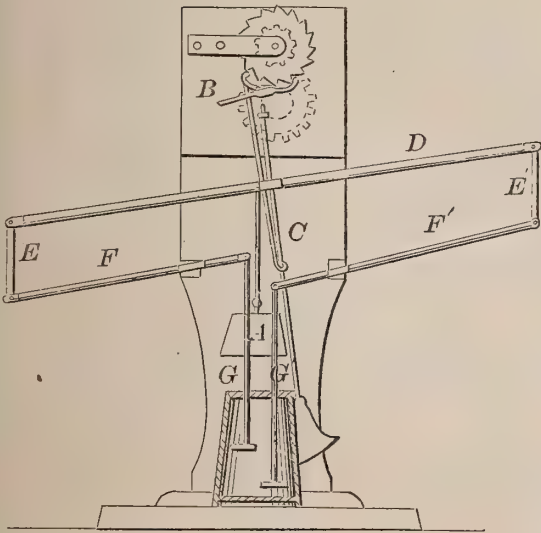
63631—W. G. Hartley—*Loom for Weaving Piled Fabrics.*



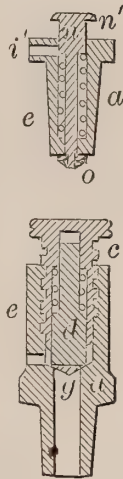
63634—G. W. Heath—*Horse Hay Fork.*



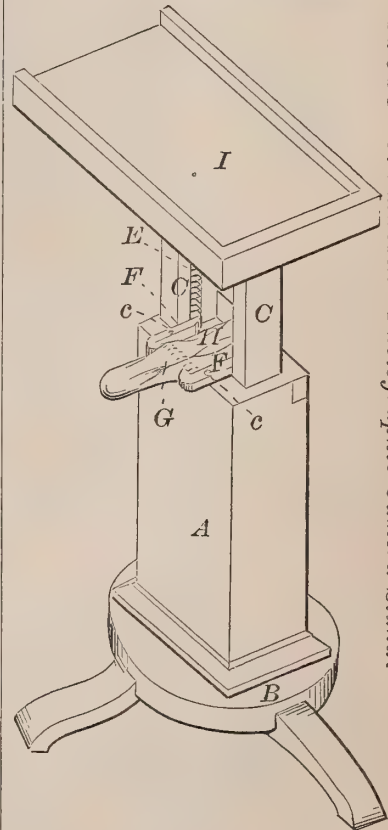
63632—J. V. Hartman—*Churn Power.*



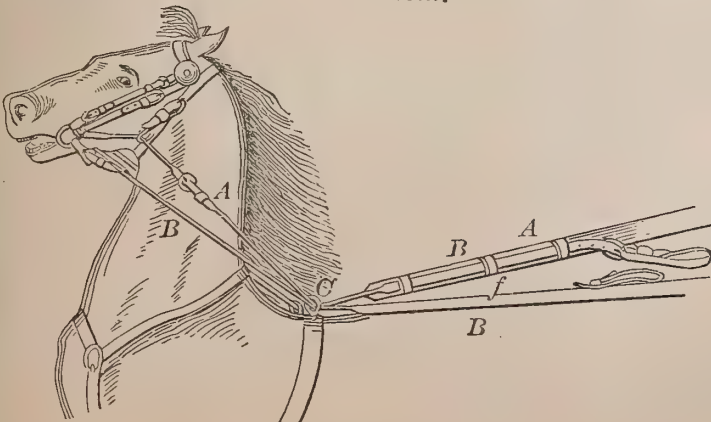
63636—T. R. Hicks—*Vent Plug.*



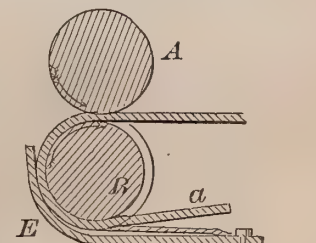
63633—J. Haworth—*Photographic Camera Stand.*



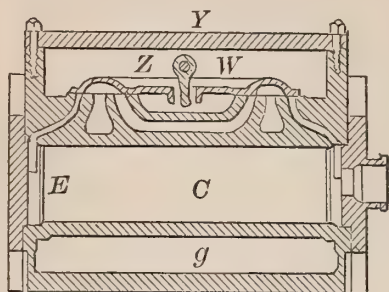
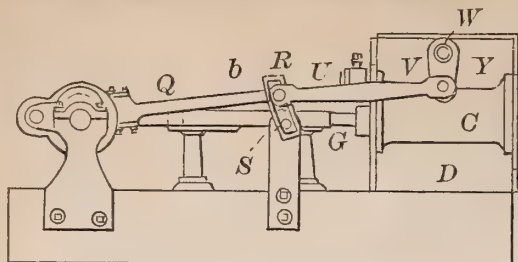
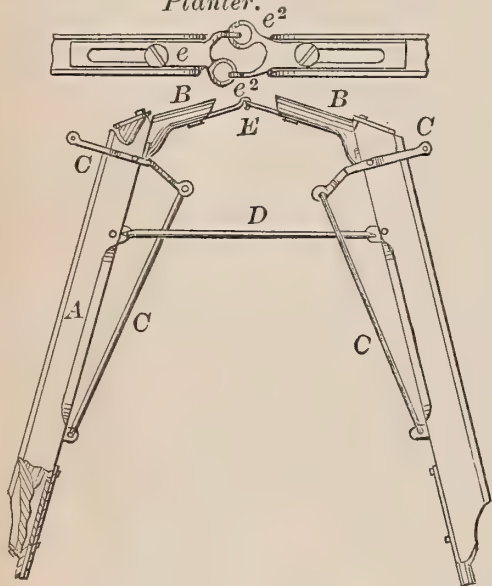
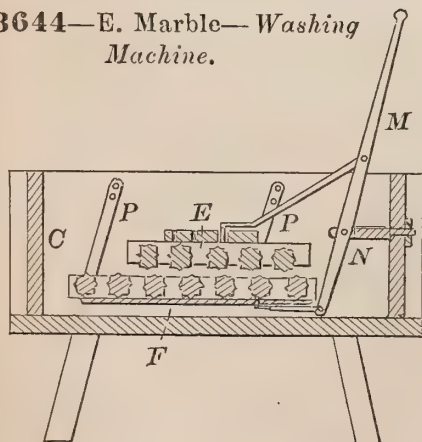
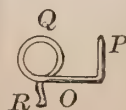
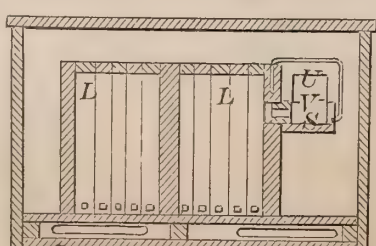
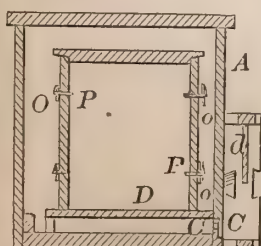
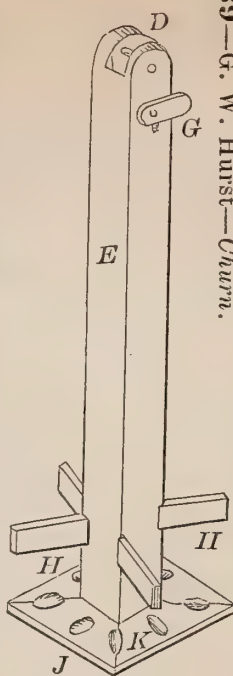
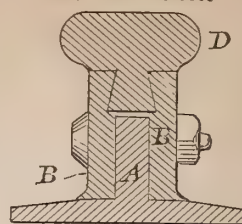
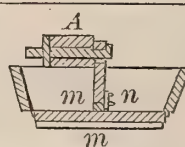
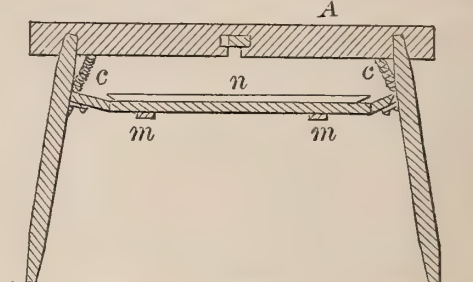
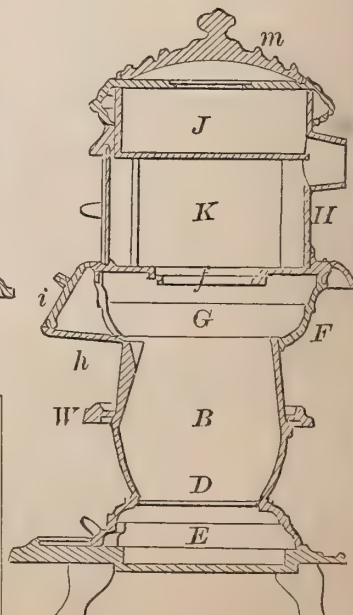
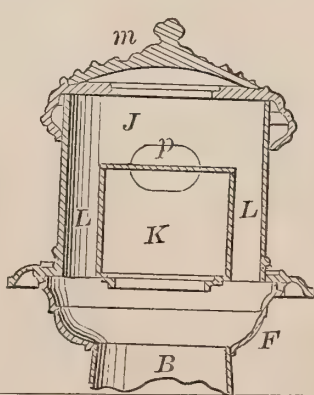
63635—T. Heaton—*Check Rein.*



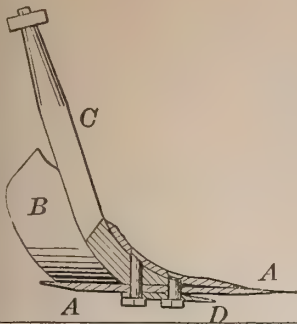
63637—W. W. Howell—*Rolling Mill.*



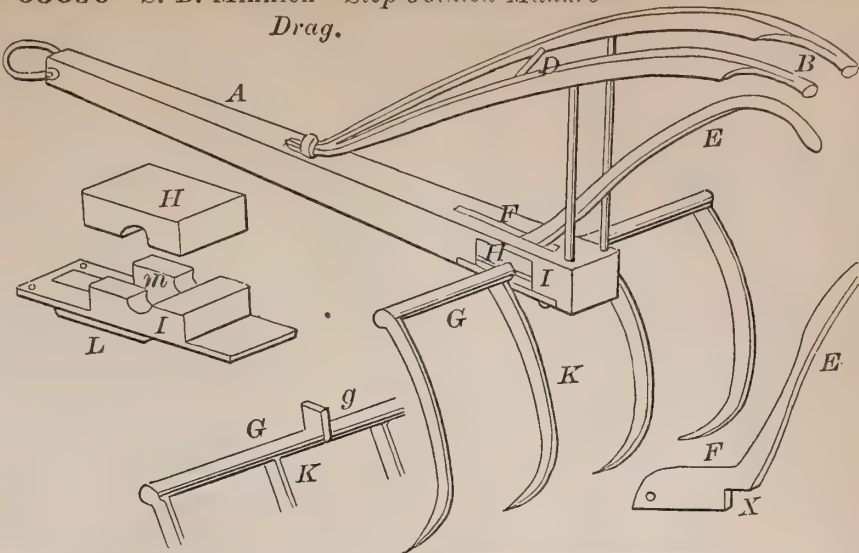


63638—L. Huntoon—*Steam Engine.*63643—J. H. Jones—*Hand Seed Planter.*63644—E. Marble—*Washing Machine.*63641—Z. L. Jacobs—*Beehive.*63639—G. W. Hurst—*Churn.*63640—I. B. Hymer—*Railroad Rail.*63642—J. Jenk—*Button.*63645—A. B. Marshall—*Carpenter's Bench.*63646—Martino, Beesley & Currie—*Heating Stove.*

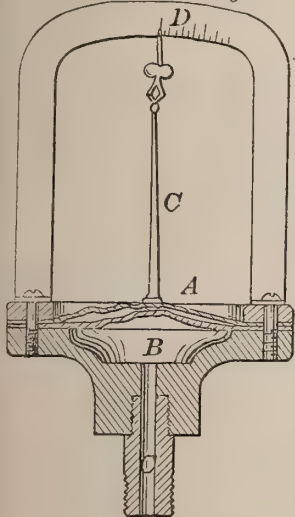
63647—Matteson & Williamson—*Cultivator Teeth.*



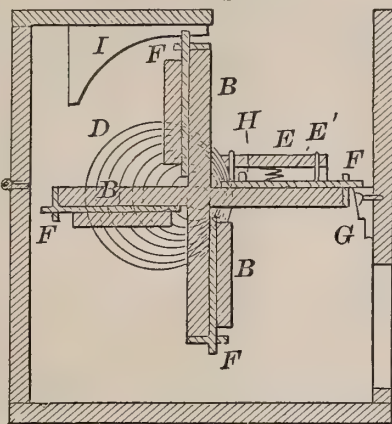
**63650**—S. B. Minnich—*Stop Jointed Manure Drag.*



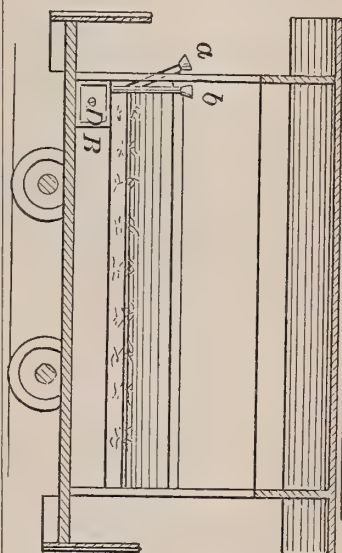
63648—  
J. Matthews, Jr.—  
*Pressure Gauge.*



63651—W. Morris—*Animal  
Trap.*

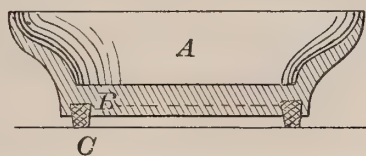


**63649—P. F. Milligan—**  
*Check on Car Conductors.*

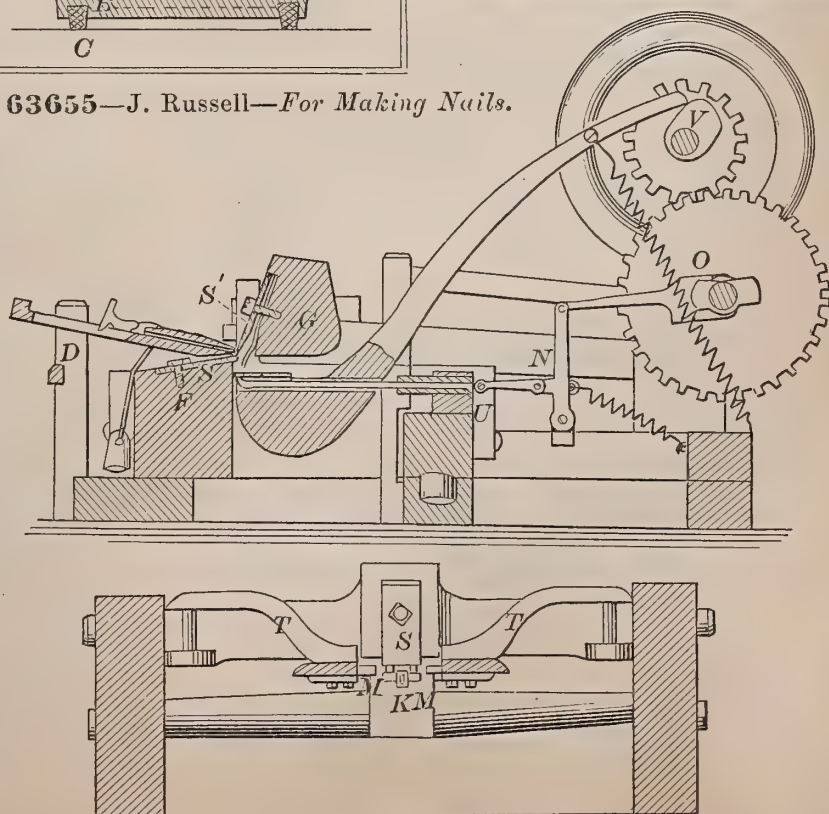


W. & G. R. R. Co  
—  
Mch. 4th 1867  
Five Cents.

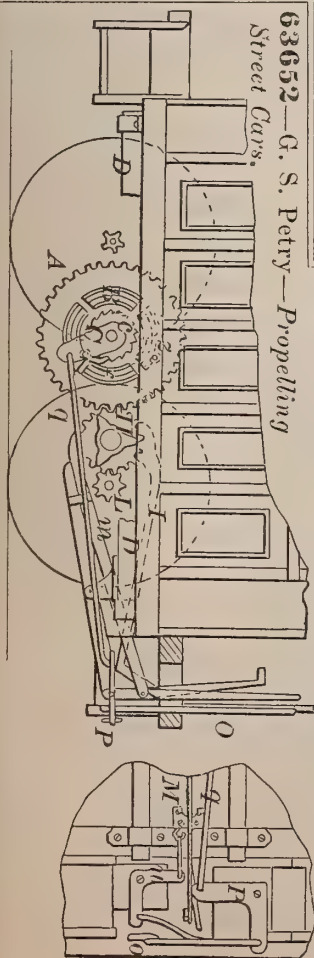
**63653**—A. C. Rand—*Protecting China, Glass, &c.*



63655—J. Russell—*For Making Nails.*

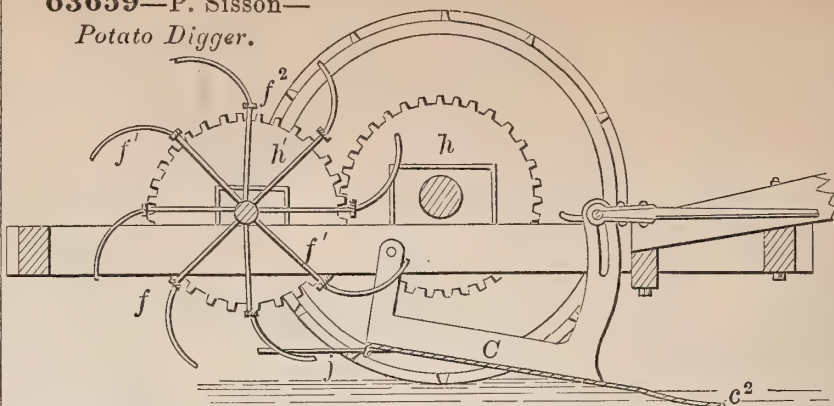


63652—G. S. Petry—*Propelling Street Cars.*

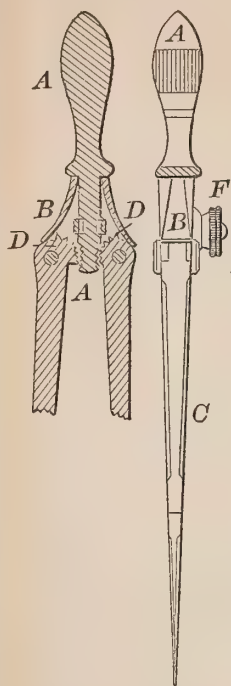




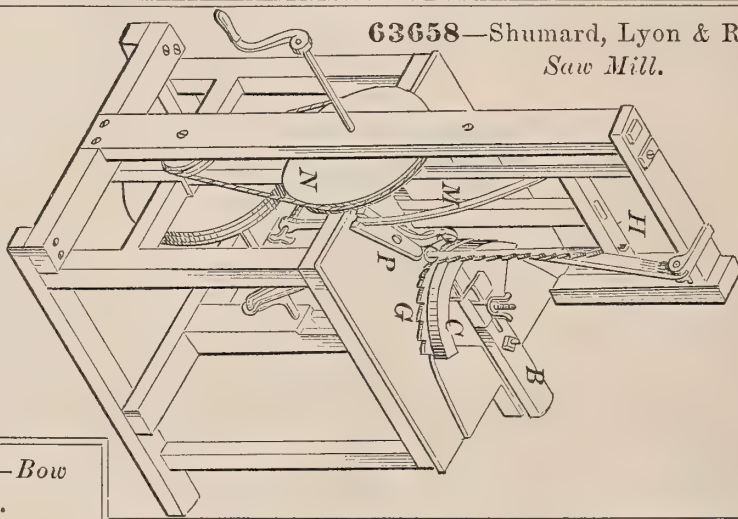
**63659**—P. Sisson—  
*Potato Digger.*



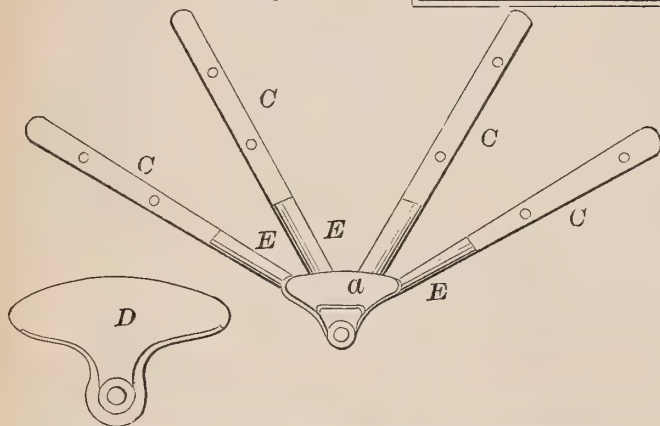
**63656**—S. Sawyer—*Dividers and Calipers.*



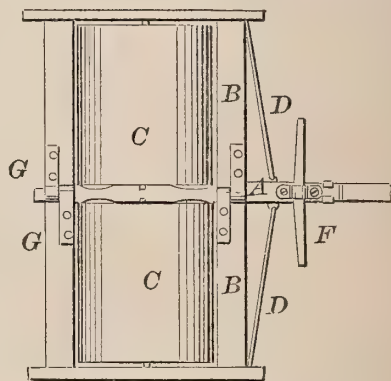
**63658**—Shumard, Lyon & Robbins—  
*Saw Mill.*



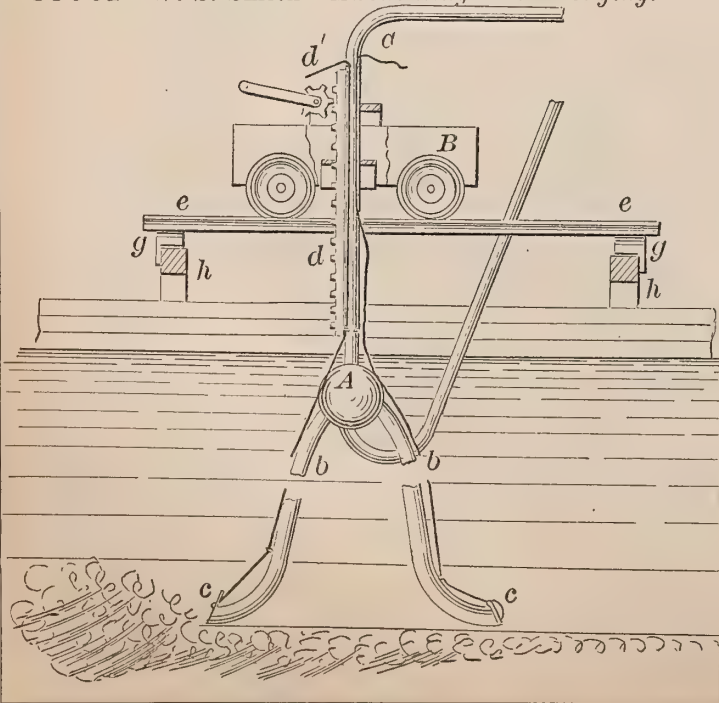
**63660**—G. W. Slater—*Bow  
Iron for Carriages.*



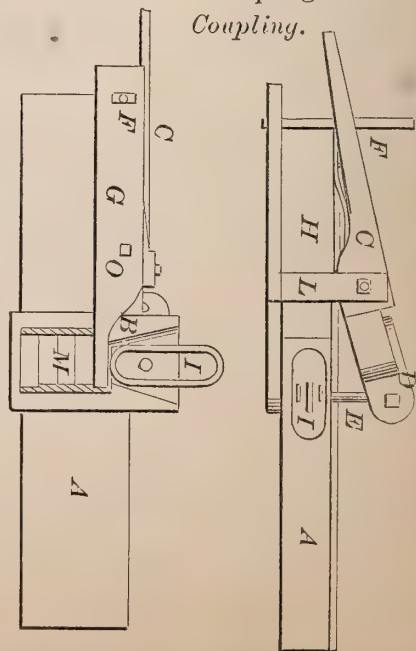
**63657**—J. S. Shafer—*Land Roller.*



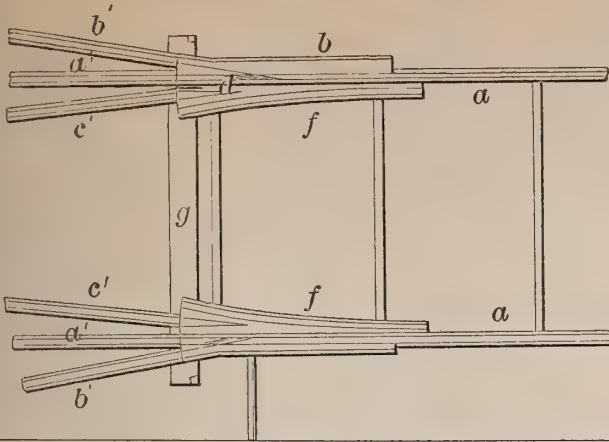
**63661**—W. S. Smith—*Excavating and Dredging.*



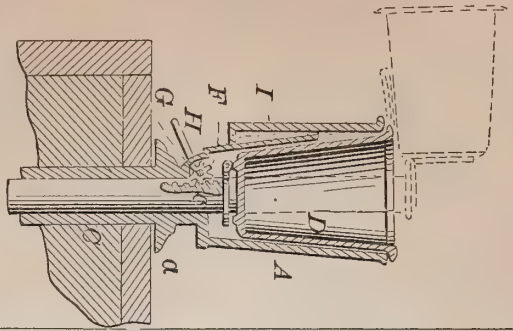
**63662**—J. P. Spangle—*Car  
Coupling.*



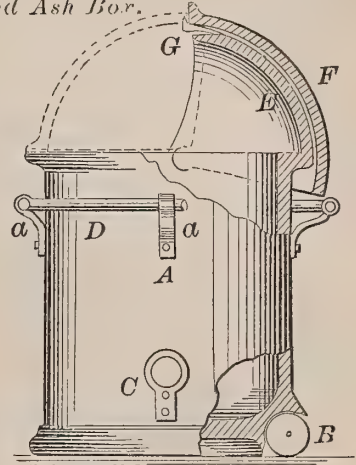
63663—G. W. Spaulding—Switch.



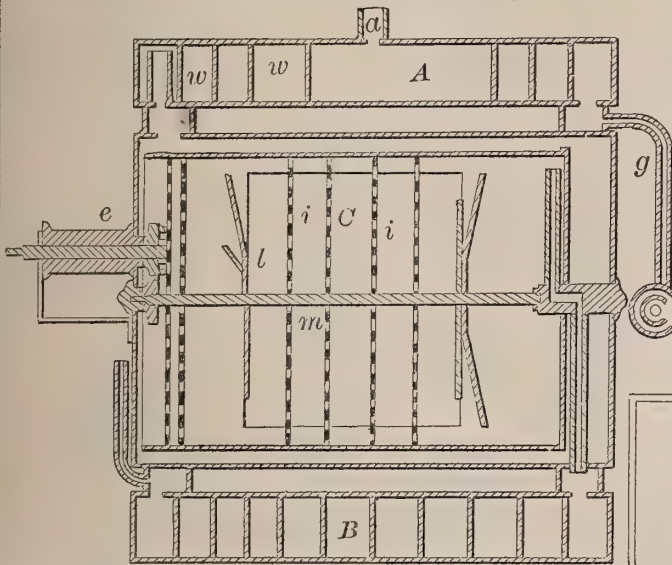
63664—C. W. Stafford—Garbage and Ash Box.



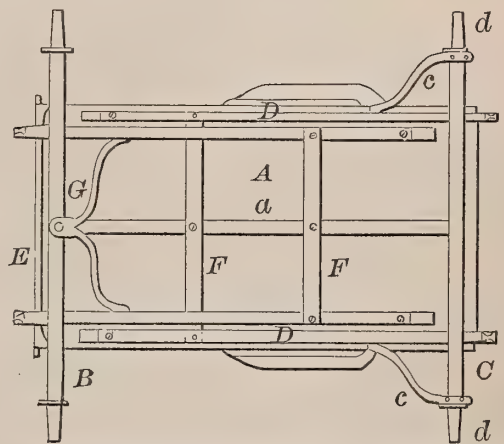
63665—C. W. Stafford—Garbage and Ash Box.



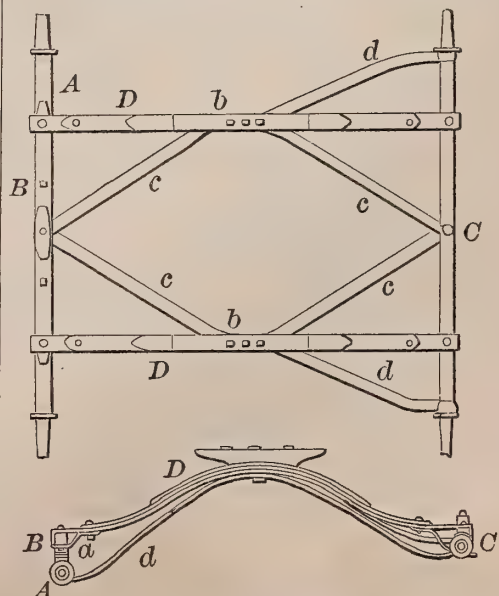
63667—L. Stevens—For Carburetting Air.



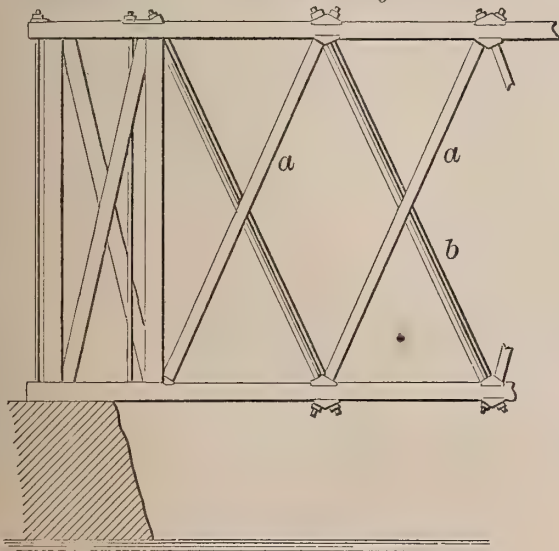
63668—A. K. Stone—Wheel Carriage.



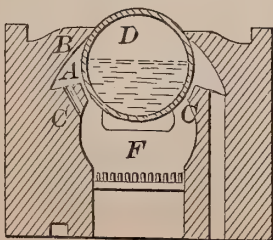
63669—A. K. Stone—Wheel Carriage.



63666—J. D. Steele—Bridge.

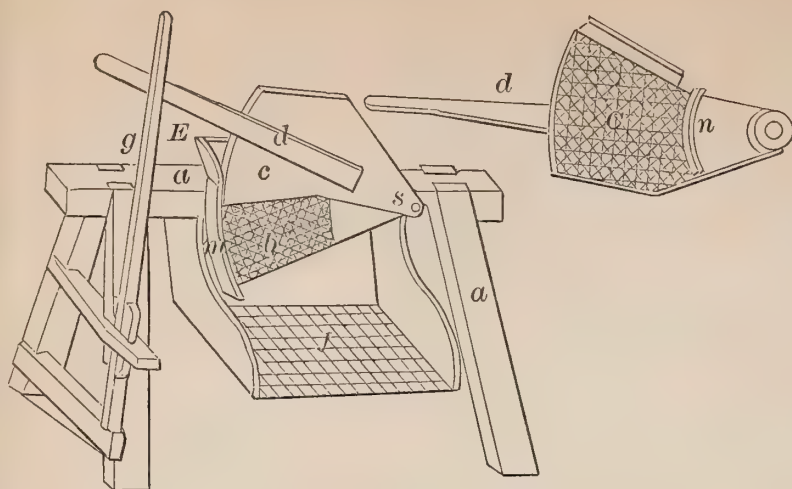


63670—W. S. Storms—Furnace for Steam Boilers.

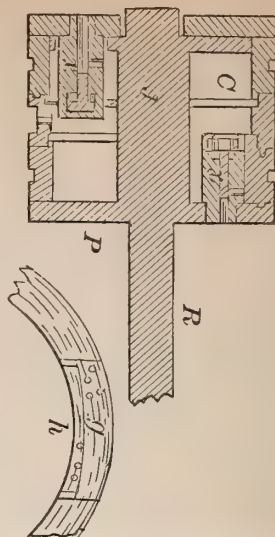




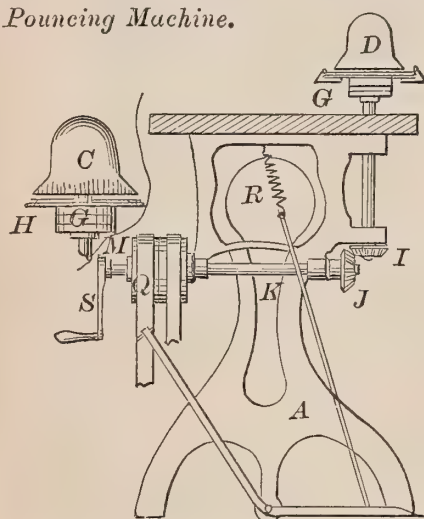
63671—W. D. Stroud—Corn Sheller.



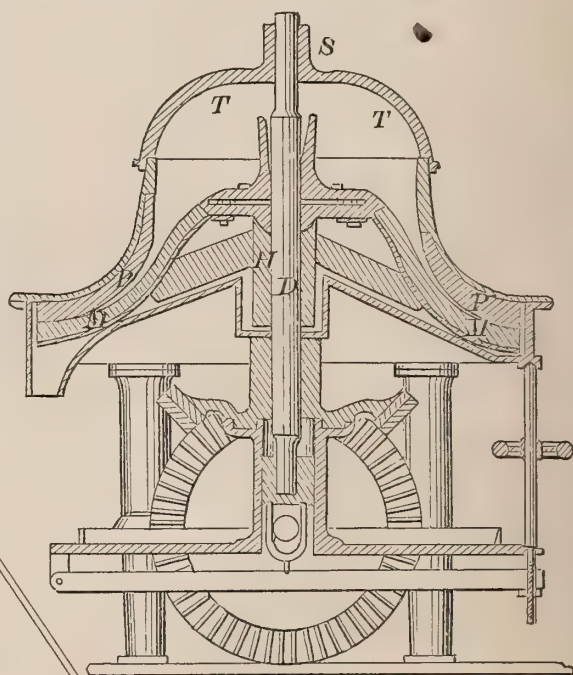
63672—E. Sullivan—Piston Packing.



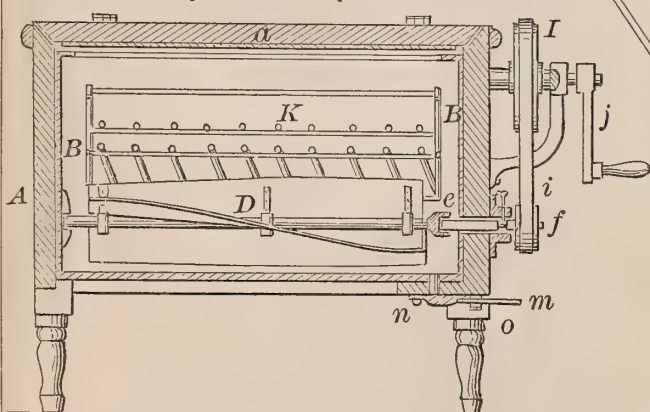
63674—Van Houten &amp; Crane—Hat Pouncing Machine.



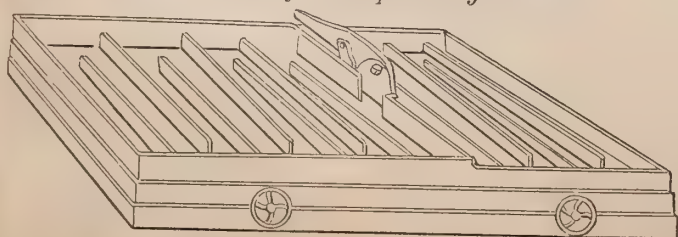
63675—T. Varney—Quartz Mill.



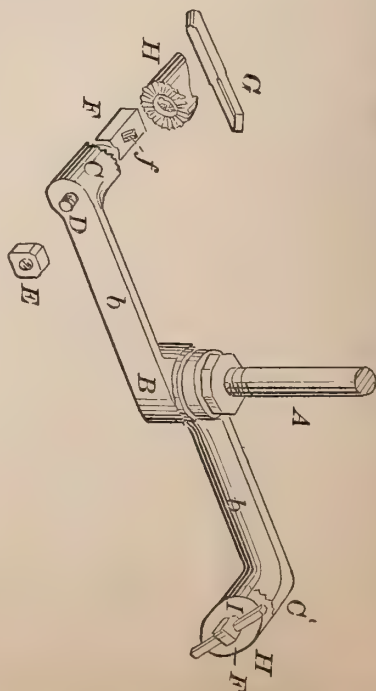
63677—Way &amp; Pomeroy—Dish Washer.



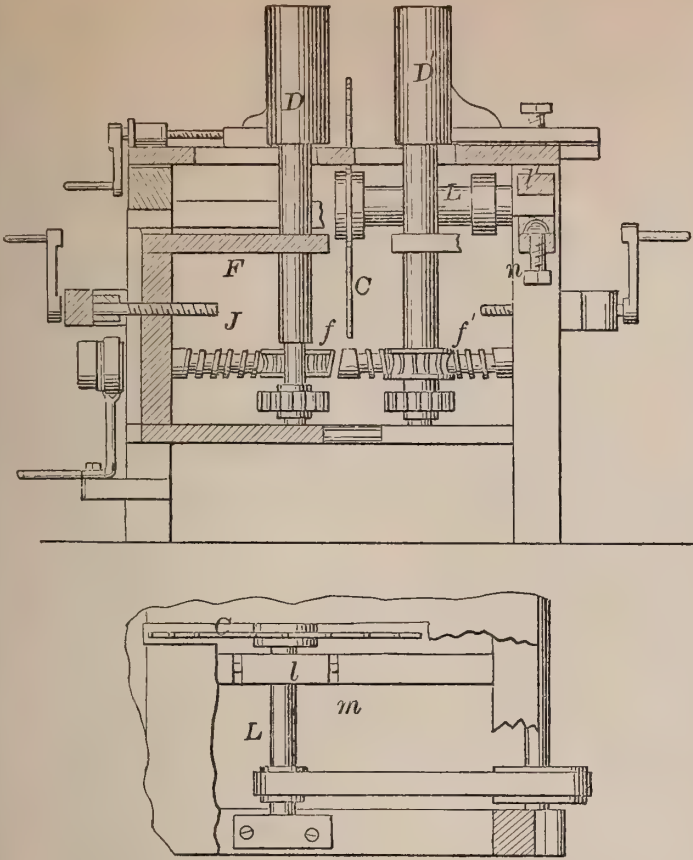
63678—Webb &amp; Cory—Evaporating Pan.



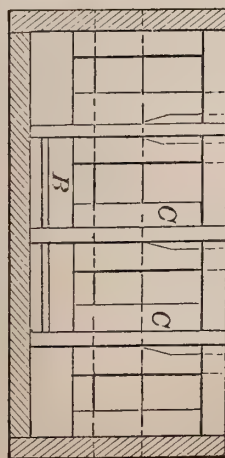
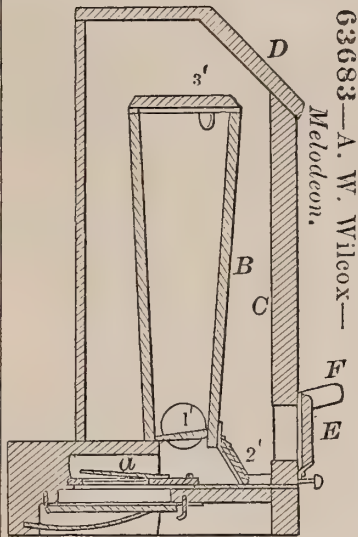
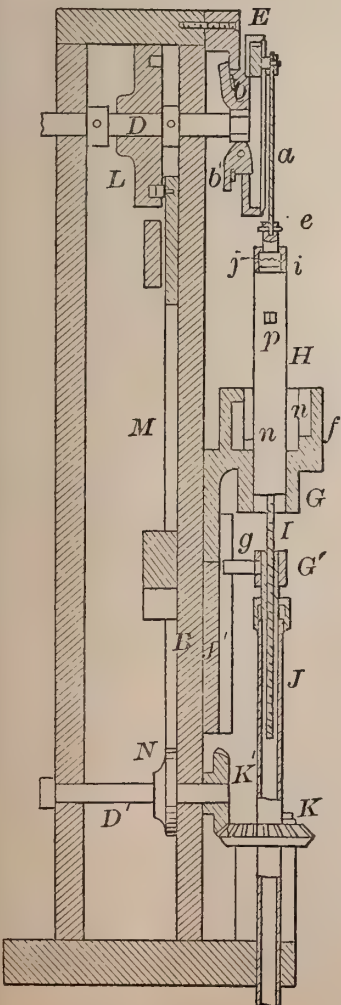
63673—J. Tesseyman—Planing Machine.



63679—E. Wescott—Sawing Machine.



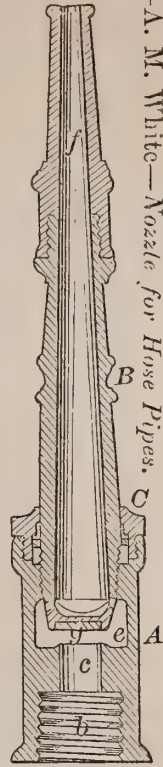
63682—White & Bedford—Well Boring Apparatus.



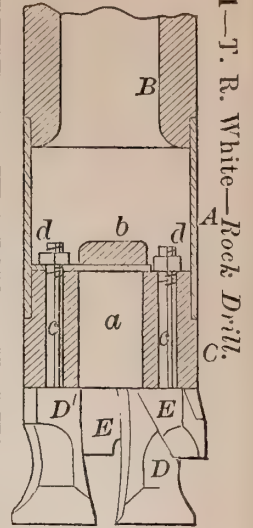
63683—A. W. Wilcox—Melodeon.

63686—J. H. Aldrich—Cattle Car.

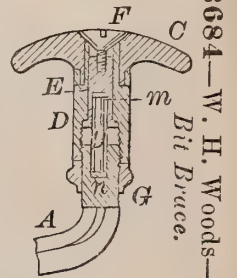
63680—A. M. White—Nozzle for Hose Pipes.



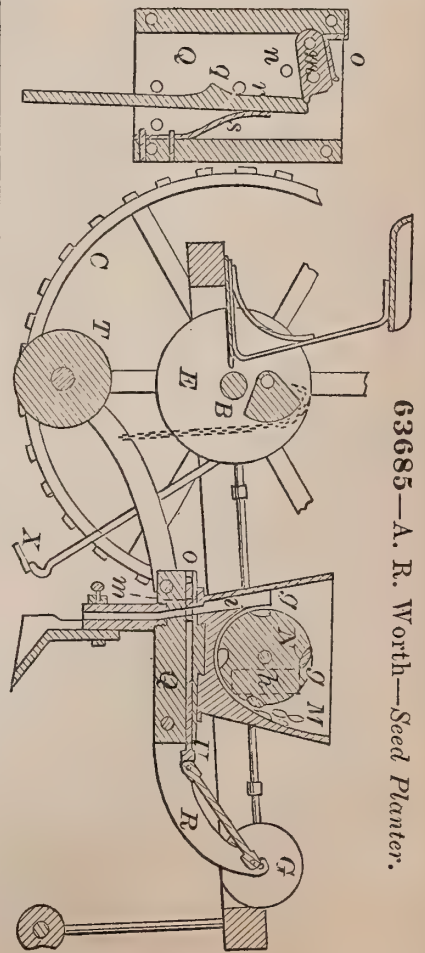
63681—J. R. White—Rock Drill.



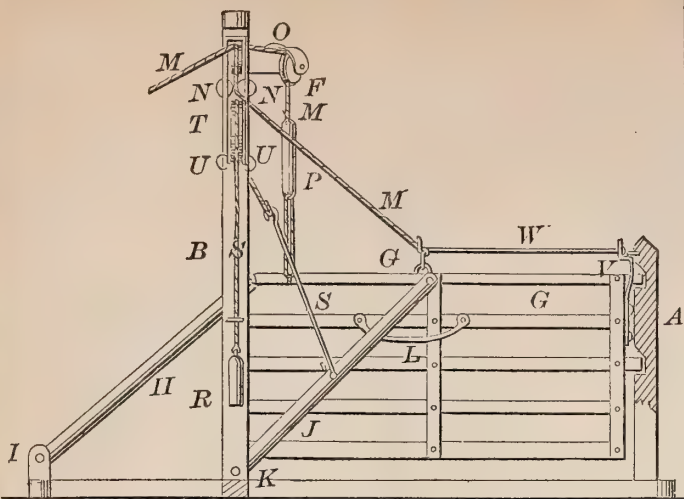
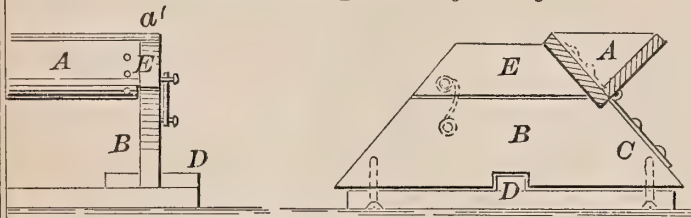
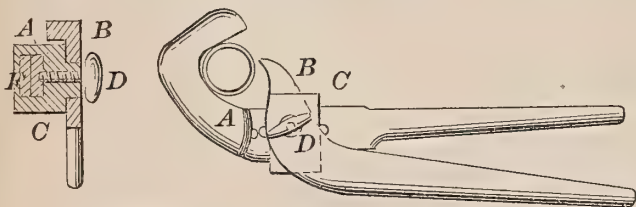
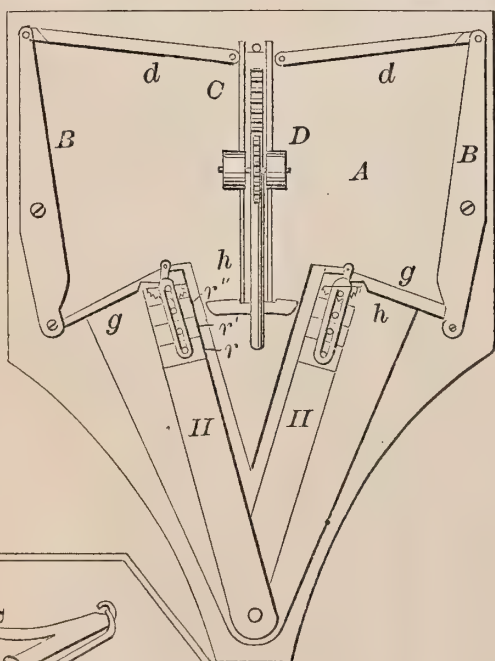
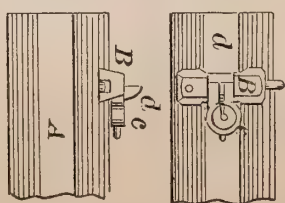
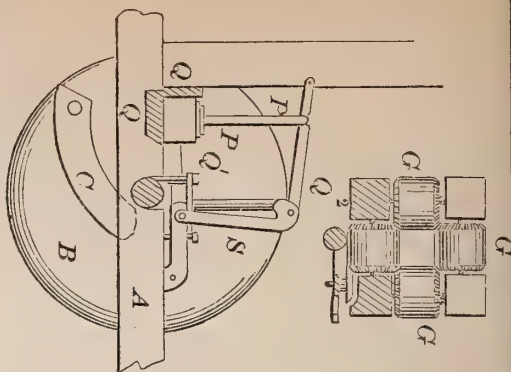
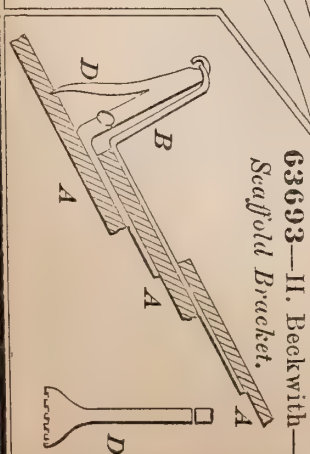
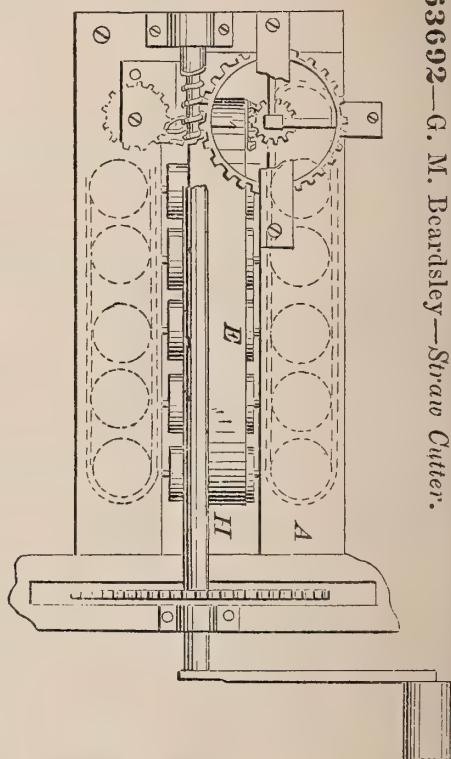
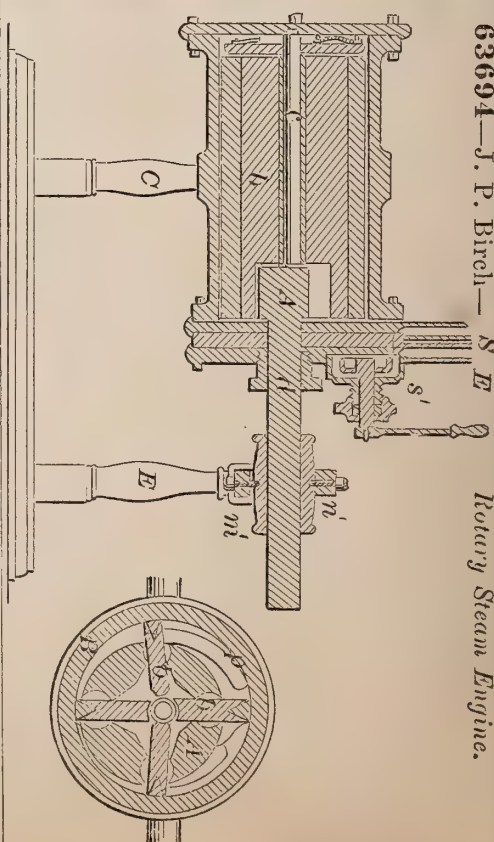
63684—W. H. Woods—Bit Brice.



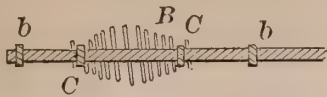
63685—A. R. Worth—Seed Planter.



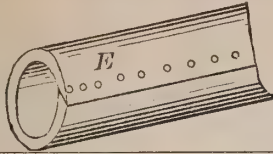


63687—W. D. & W. I. Armstrong—*Gate.*63688—C. Aulls—*Sheep Feeding Trough.*63689—R. Bain—*Pipe Wrench.*63691—G. M. Beardsley—*For Upsetting Tires.*63690—E. B. Beach—*Convertible Rifle Sight.*63693—H. Beckwith—*Seafold Bracket.*63692—G. M. Beardsley—*Straw Cutter.*63694—J. P. Birch—*Rotary Steam Engine.*

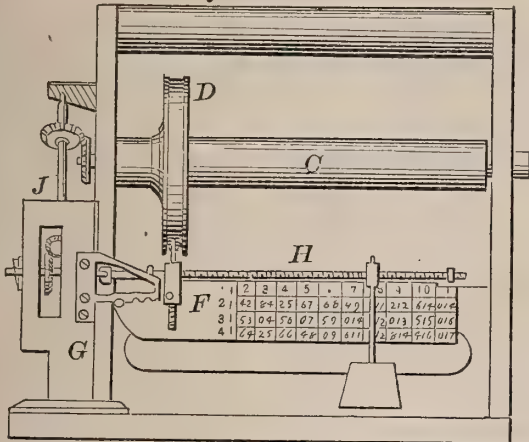
63695—Blake & Tyrrel—*Flue Scraper.*



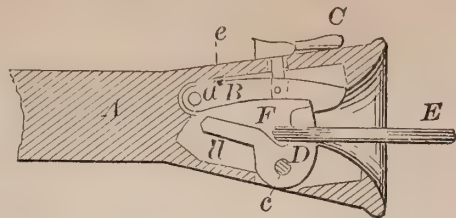
63697—A. Brisbane—*Wooden Pipe.*



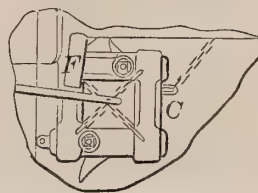
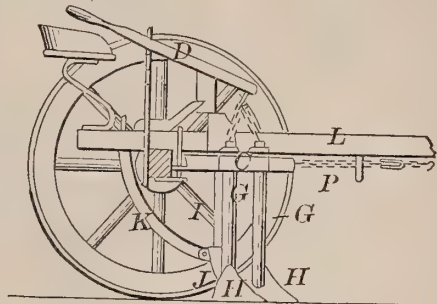
63699—M. Brookfield—*Let-off Mechanism for Looms.*



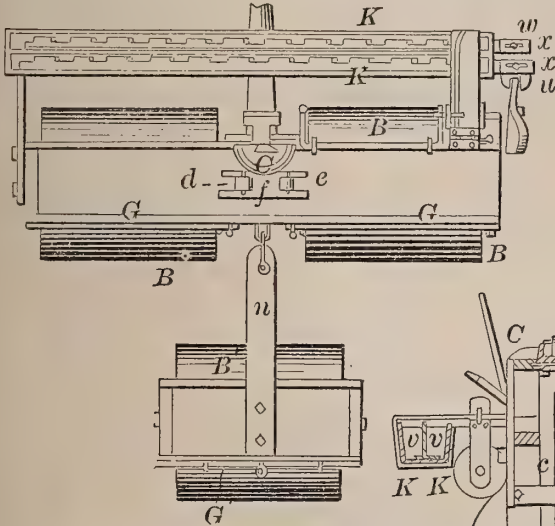
63696—Boon & Orsborn—*Car Coupling.*



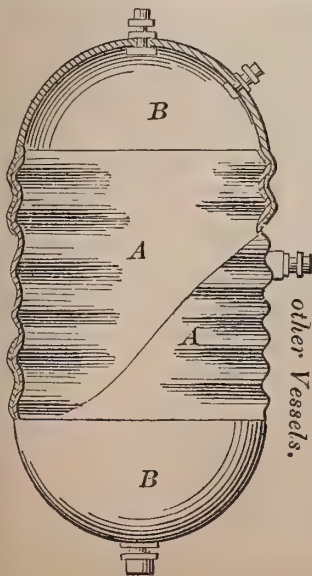
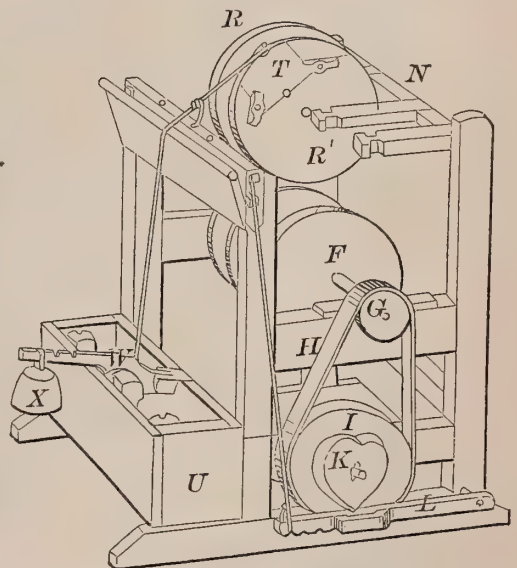
63698—H. C. Bristol—*Cultivator.*



63704—H. S. Connelly—*Roller and Seeder.*

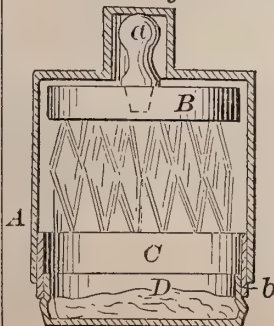


63703—M. Cellerie—*For Stretching and Winding Silk Thread.*

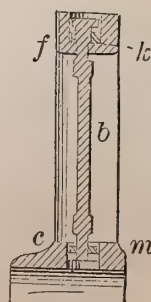


63701—J. Carroll—*Sheet Metal Boiler and other Vessels.*

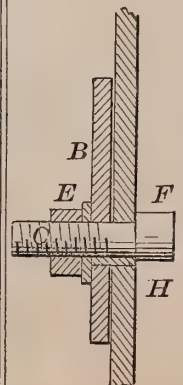
63700—C. E. Brown—*Blacking Case.*



63705—J. M. Coombs—*Carriage Wheel.*

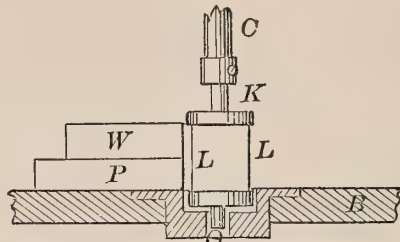
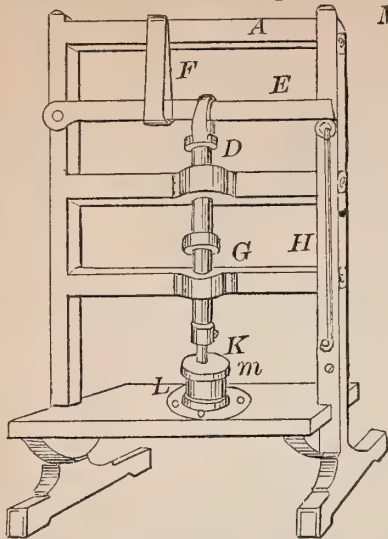


63706—J. Crompton—*Bolt and Head.*

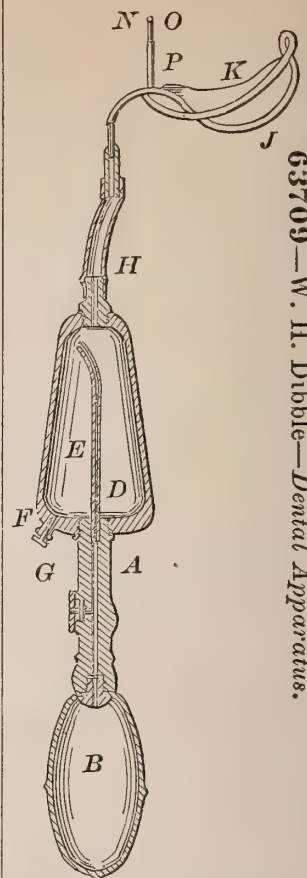
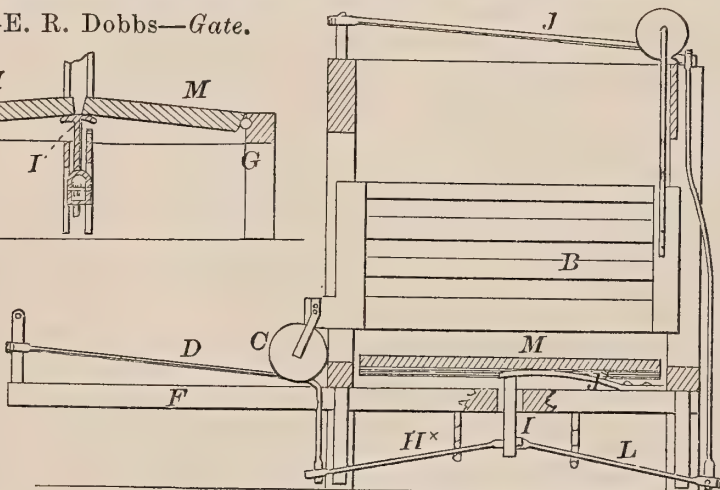
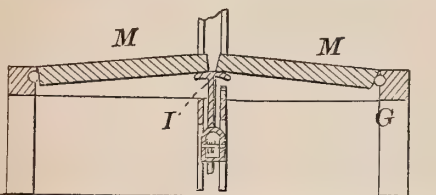




**63707**—D. Cumming, Jr.—*Cutter Head for Wood Moulding Machines.*

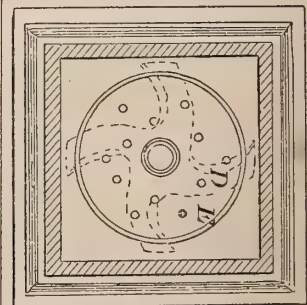
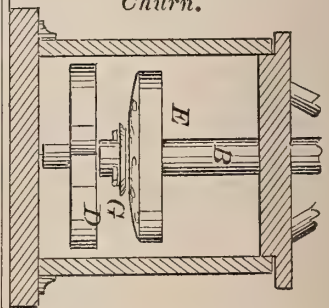


**63710**—E. R. Dobbs—*Gate.*

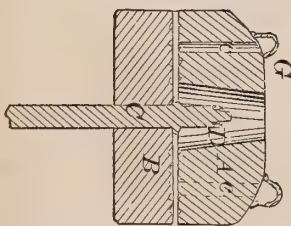
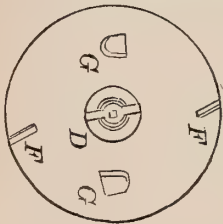


**63709**—W. H. Dibble—*Dental Apparatus.*

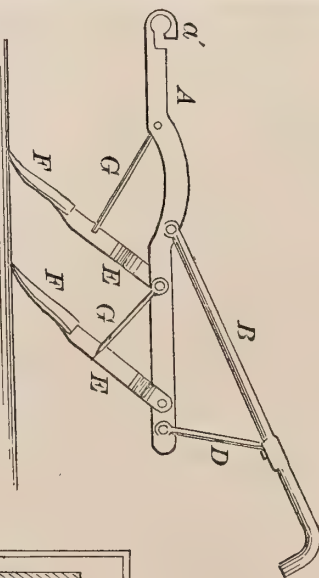
**63708**—J. T. Dawson—*Churn.*



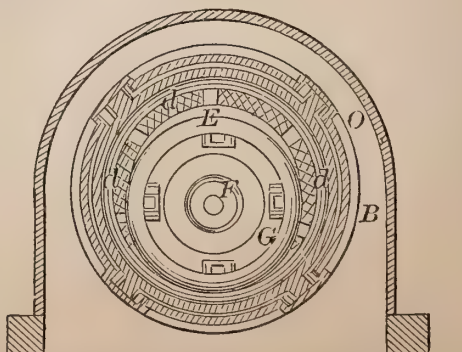
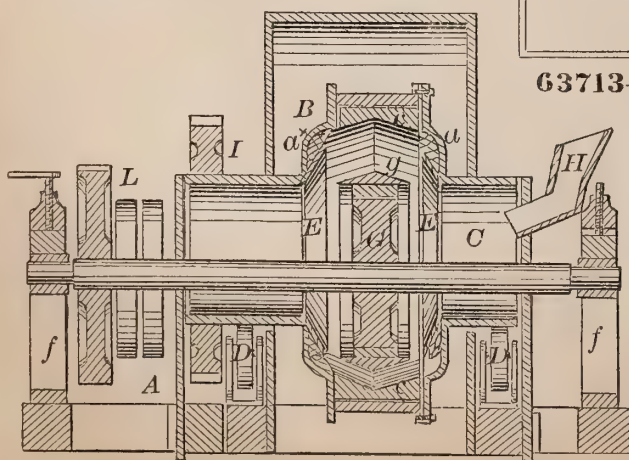
**63712**—J. Fickinger—*Grinding Mill.*



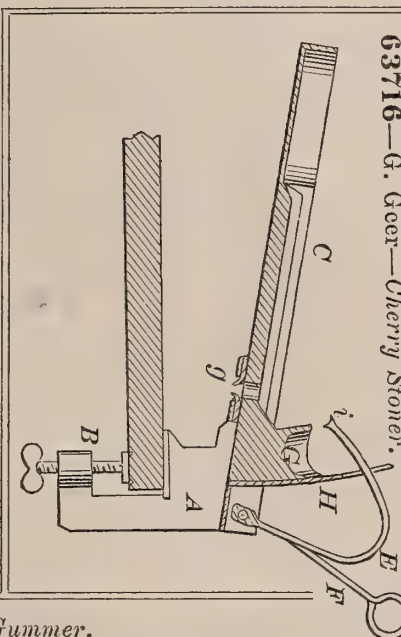
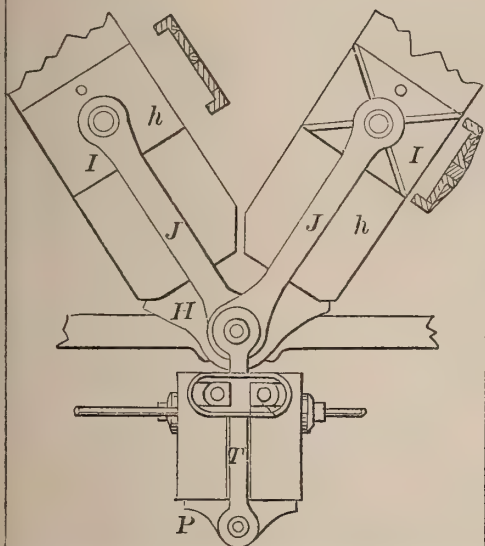
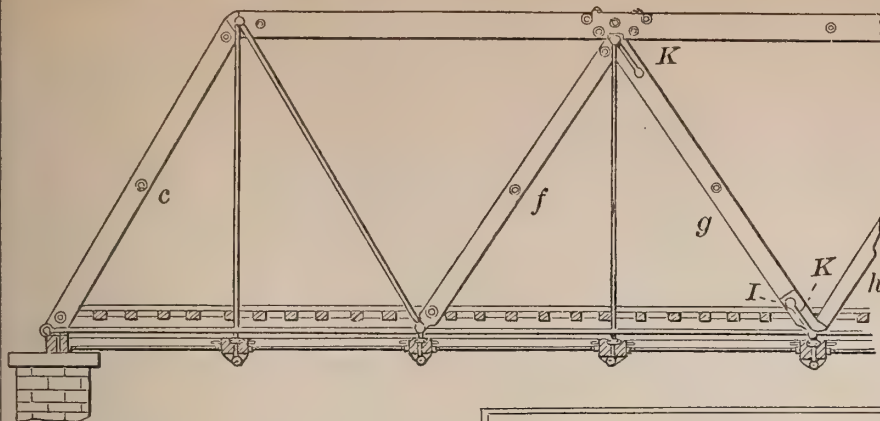
**63711**—J. M. Eby—*Double Shovel Plow.*



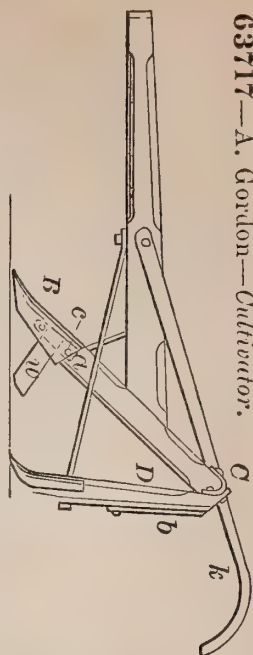
**63713**—J. B. Fields—*Quartz Mill.*



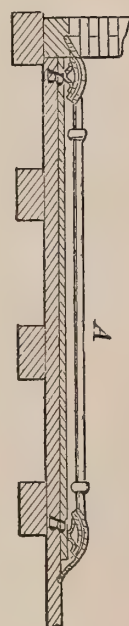
63714—A. Fink—*Bridge*.



63716—G. Geer—*Cherry Stoner*.

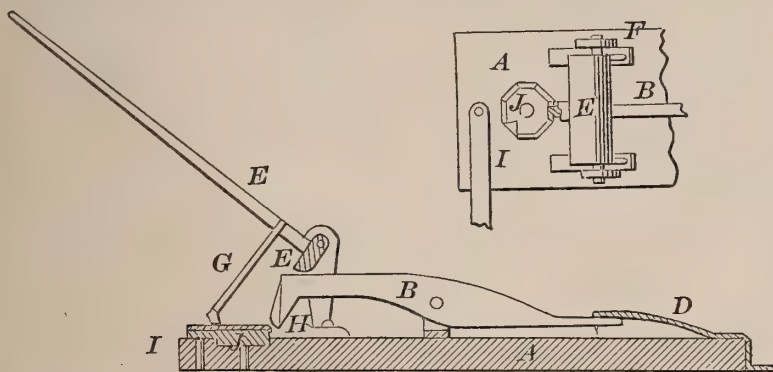


63717—A. Gordon—*Cultivator*.

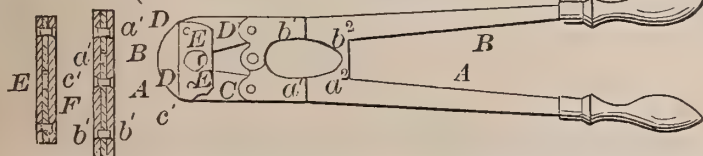


63718—C. Gullmann—*Carpet Fastener*.

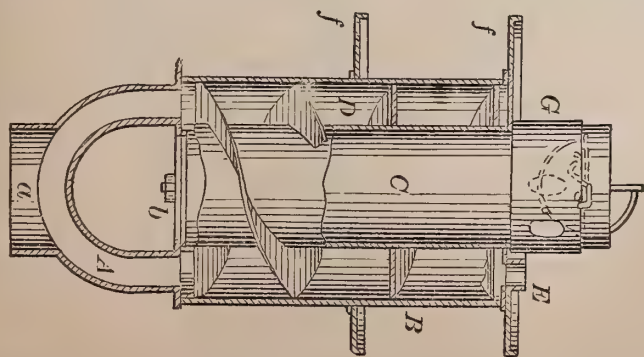
63715—J. Gardner—*Saw Set and Gummer*.



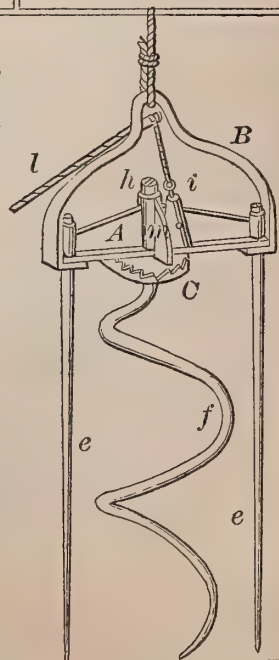
63721—H. M. Handy—*Bolt Cutter*.



63720—S. A. Halladay—*Stove Pipe Drum*.

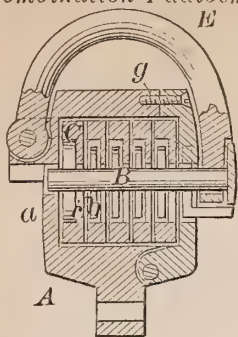


63719—J. T. Hall—*Horse Hay Fork*.

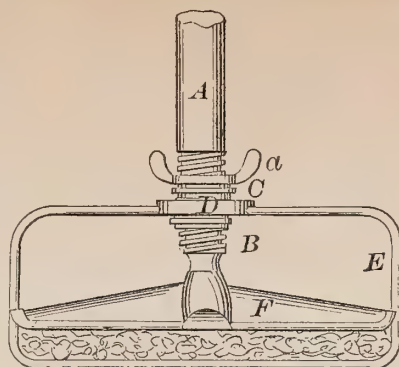




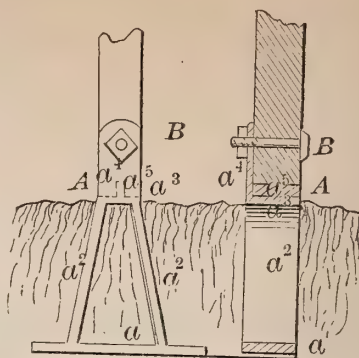
**63722**—  
Harding & Reed—  
Combination Padlock.



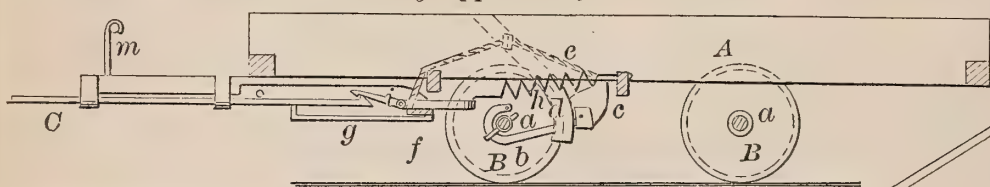
**63731**—W. A. Lewis—Mop Head.



**63725**—G. Ipe—Fence Post.



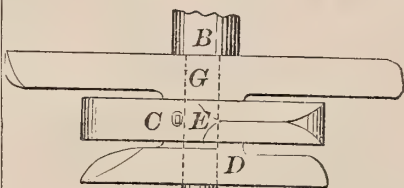
**63726**—T. B. Jordan—Starting Apparatus for Street Cars.



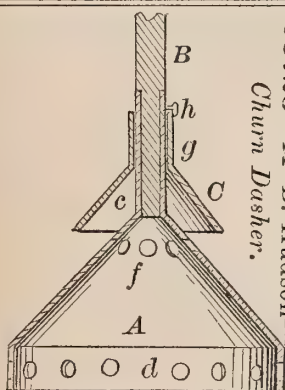
**63730**—W. M. Kirkpatrick—  
Sash Supporter.



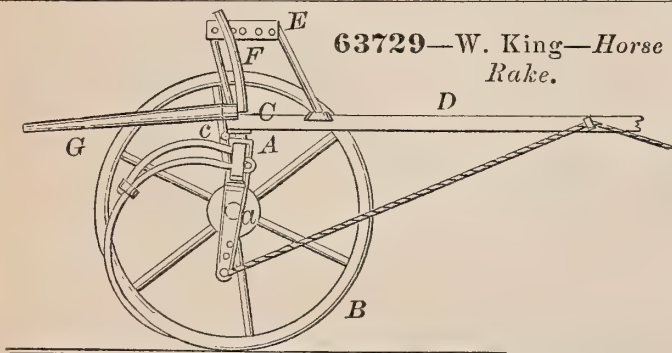
**63728**—R. Keese—Churn.



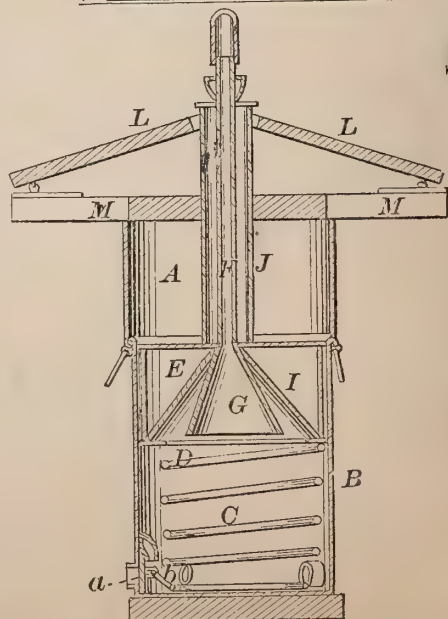
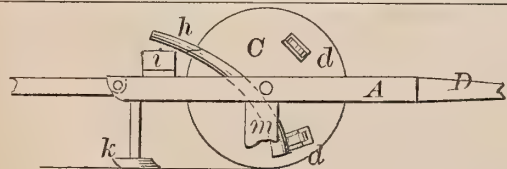
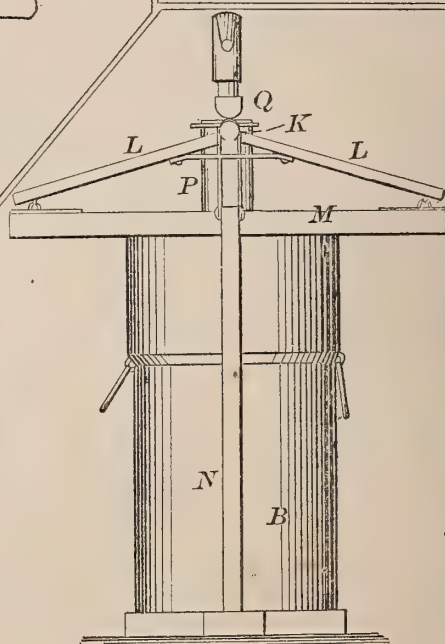
**63723**—M. B. Hudson—  
Churn Dasher.



**63729**—W. King—Horse  
Rake.

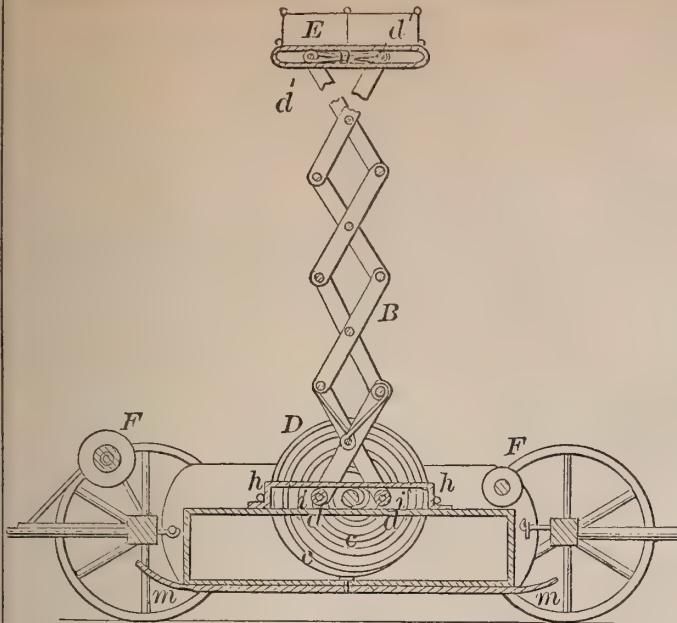


**63732**—W. Lindsey—Cattle Pump.

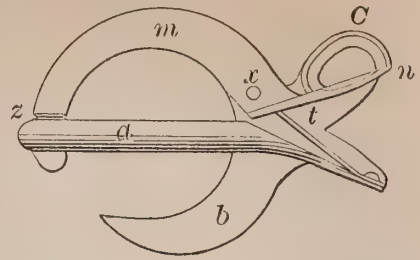


**63724**—W. Hunter—Corn Planter.

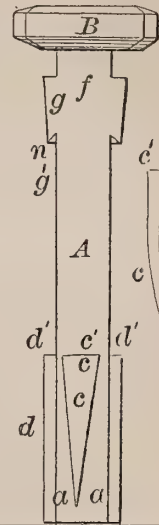
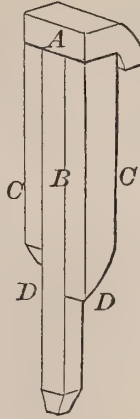
63735—R. Loomis—*Fire Escape Ladder.*



63736—J. Low—*Ox Bow Pin.*

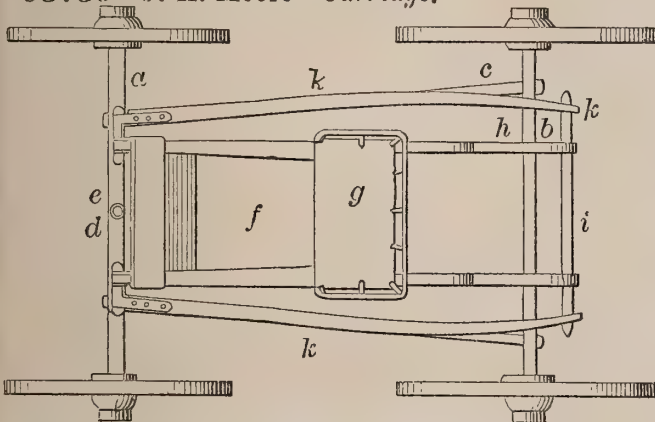


63737—G. W. McGill—*Spike.*

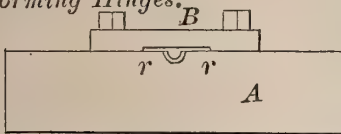


63738—J. Merlett—*Spike.*

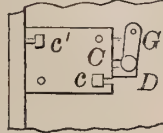
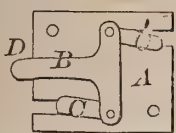
63739—J. H. Moore—*Carriage.*



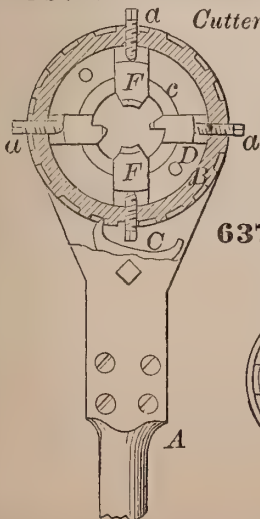
63742—J. O. Kane—*Die for Forming Hinges.*



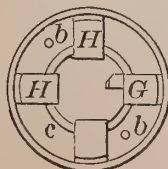
63743—D. J. Osborn—*Sash Supporter.*



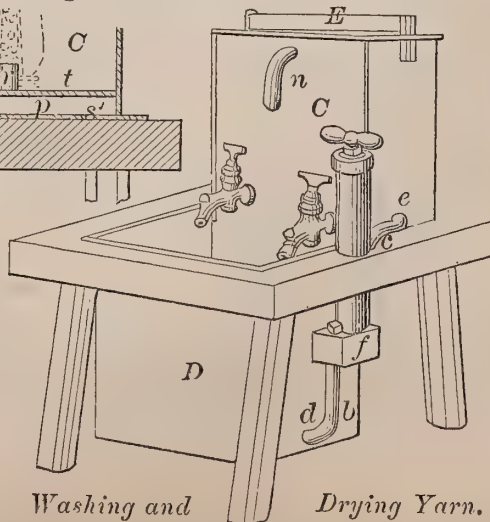
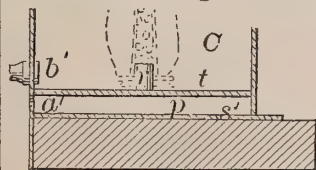
63741—J. K. Nelson—*Screw Cutter.*



63741—J. K. Nelson—*Screw Cutter.*



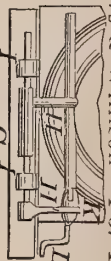
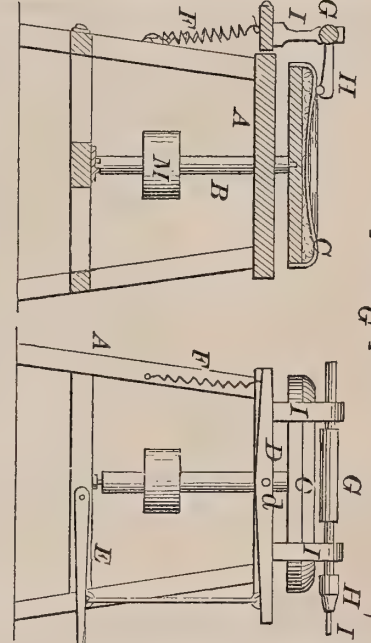
63744—Osgood & Munroe—*For Dyeing, Bleaching,*



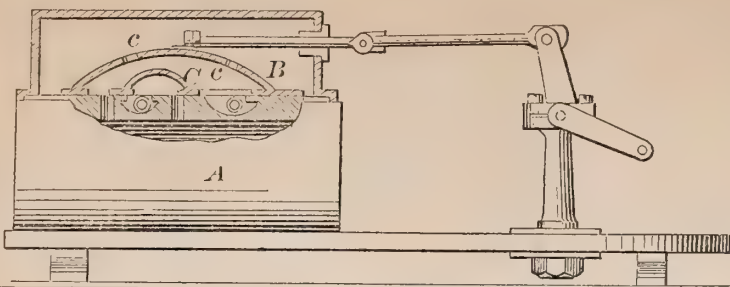
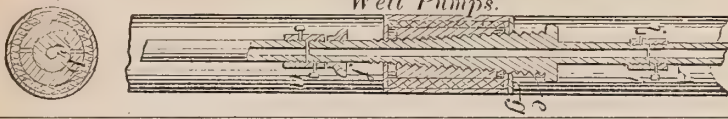
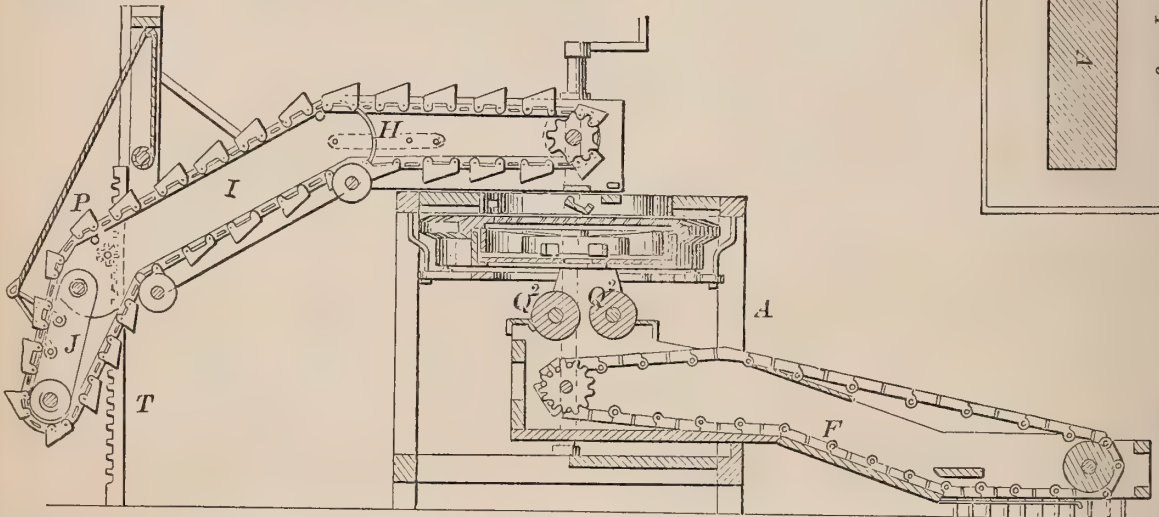
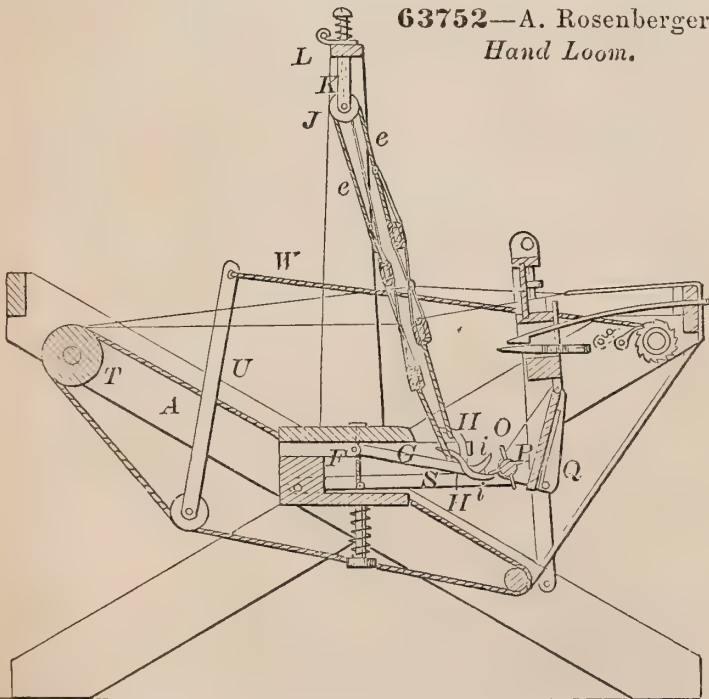
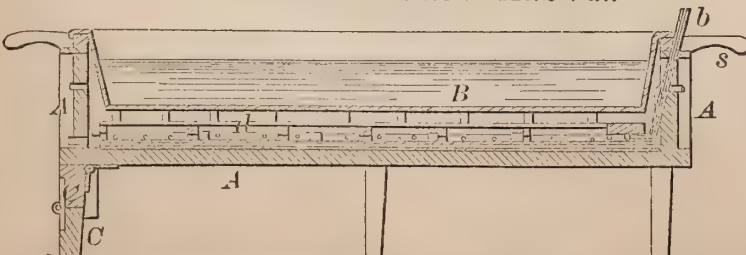
Washing and Drying Yarn.



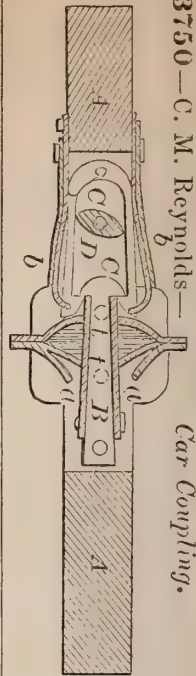
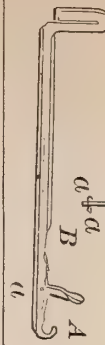
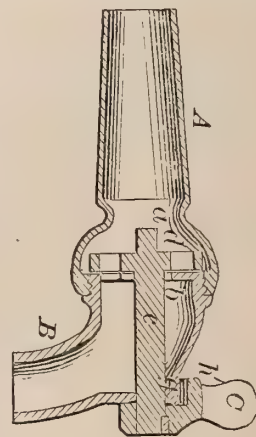
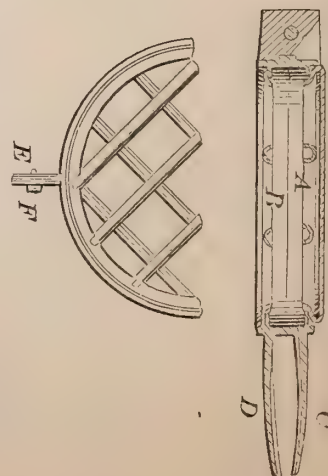
63740—Myers & Willison—*For Polishing Wagon Spokes.*



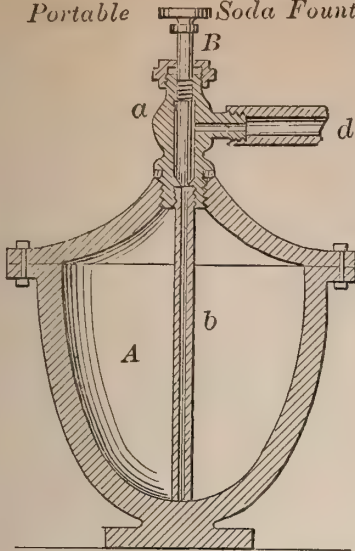


63745—E. & T. S. Parker—*Steam Engine Slide Valve.*63747—Petley & Fredricks—*Stuffing Box for Deep Well Pumps.*63751—M. S. Roberts—*Peat Machine.*63752—A. Rosenberger—*Hand Loom.*63755—L. C. & J. M. Schermerhorn—*Milk Vat.*

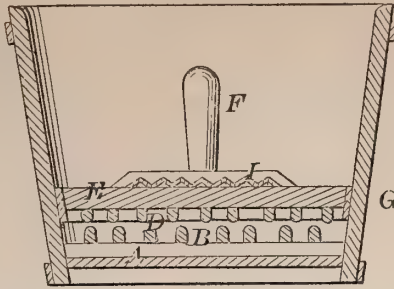
63750—C. M. Reynolds—

*Car Coupling.*63746—B. F. Peaslee—*Knitting Machine Needle.*63748—J. Register—*Faucet.*63753—E. P. Russell—*Gridiron.*

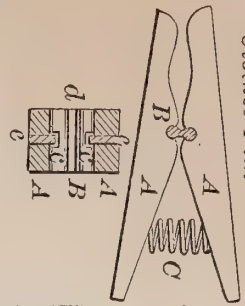
**63756**—A. D. Schnackenberg—*Portable Soda Fountain.*



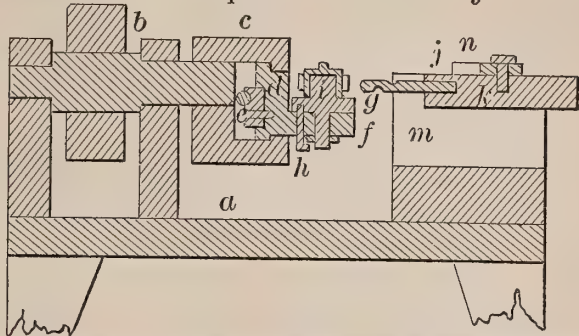
**63758**—J. S. Sills—*Washing Machine.*



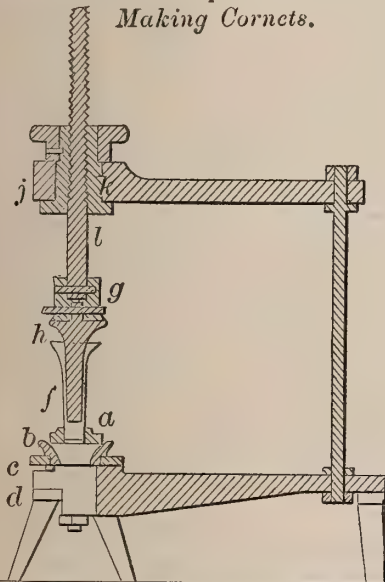
**63759**—D. M. Smith—*Clothes Pin.*



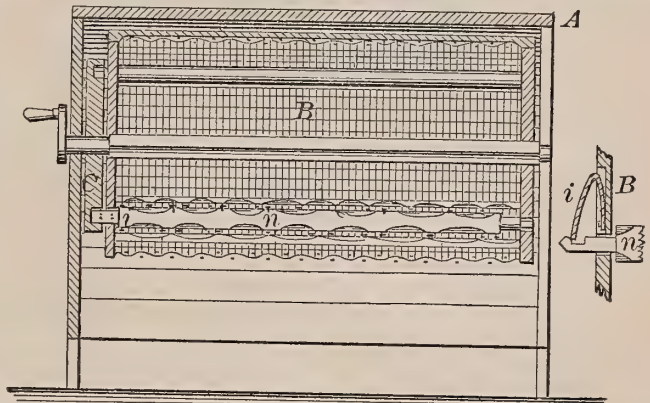
**63760**—L. W. Spencer—*For Making Cornets.*



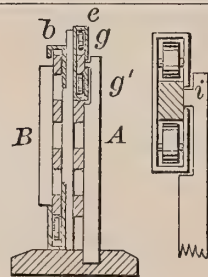
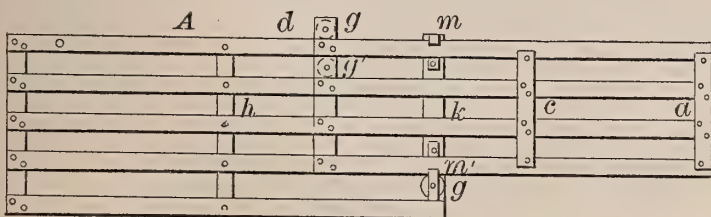
**63761**—L. W. Spencer—*For Making Cornets.*



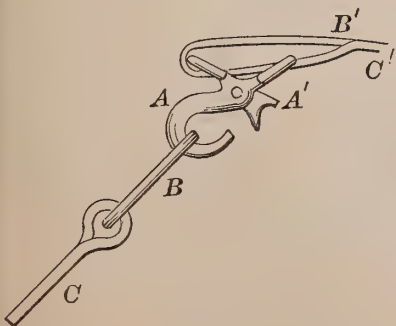
**63763**—G. Stevenson—*Grain Cleaner.*



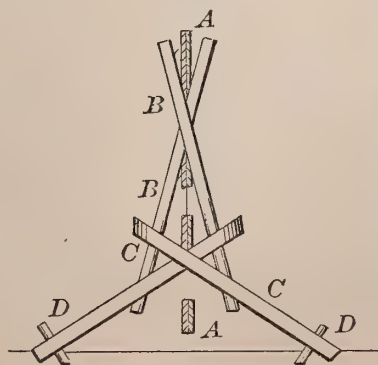
**63757**—E. C. Sears—*Farm Gate.*



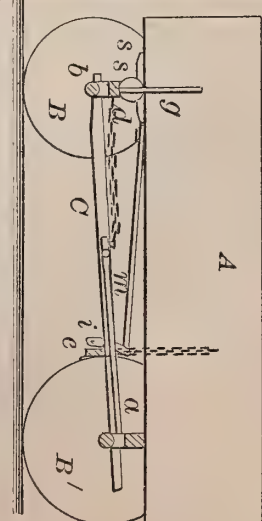
**63762**—C. Starbuck—*Cam Hitching Hook.*



**63764**—J. W. Suidter—*Portable Fence.*

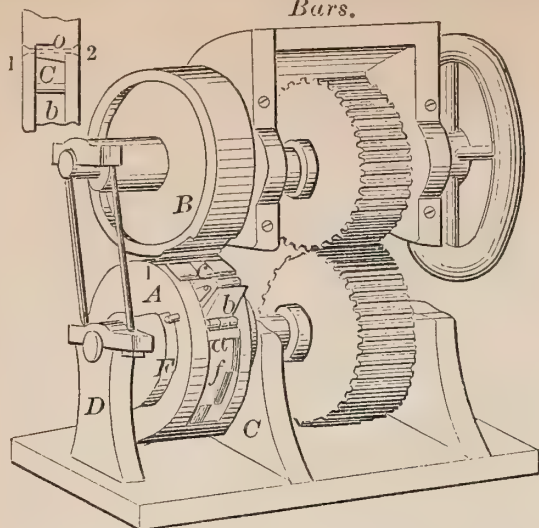


**63765**—W. Tash—*Wagon Brake.*

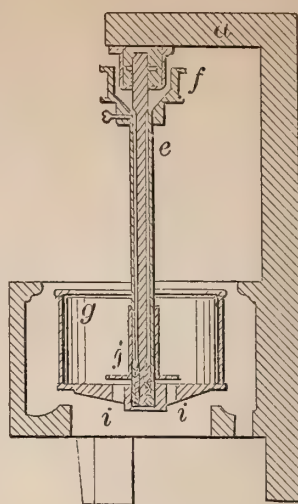




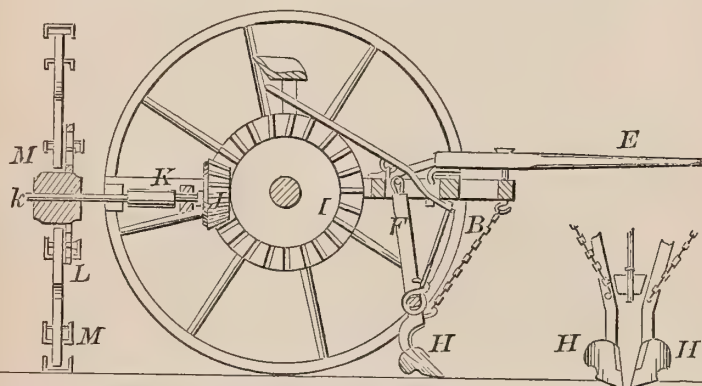
**63766**—H. Thompson—*For Shaping and Heading Metal Bars.*



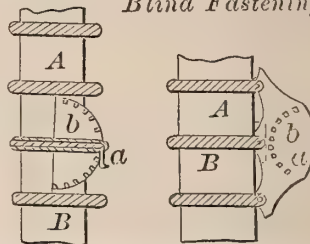
**63770**—D. M. Weston—*Centrifugal Machine.*



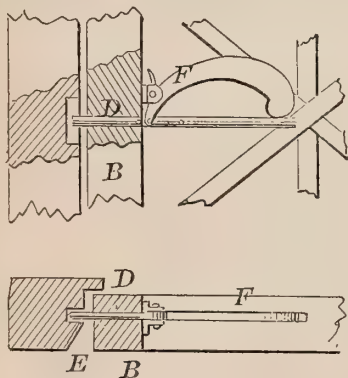
**63767**—Wallace & McClain—*Cotton Cultivator.*



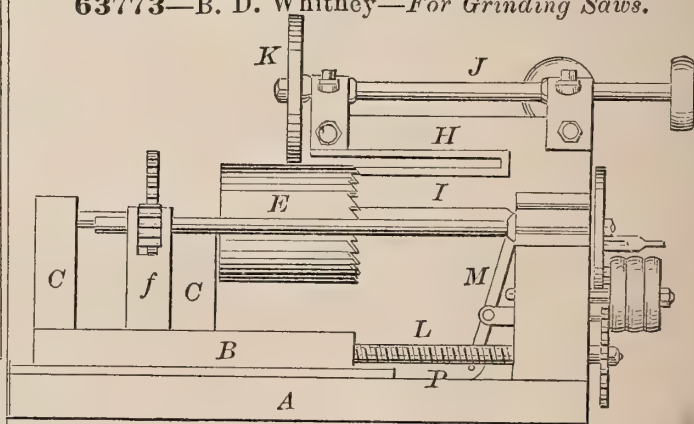
**63768**—A. Warner—*Window Blind Fastening.*



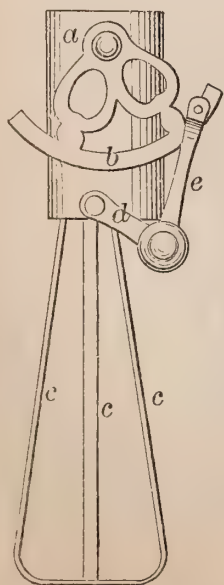
**63769**—W. T. Wells—*Gate Latch.*



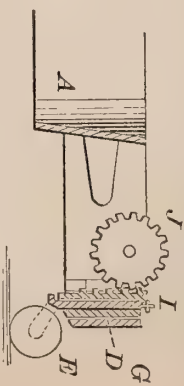
**63773**—B. D. Whitney—*For Grinding Saws.*



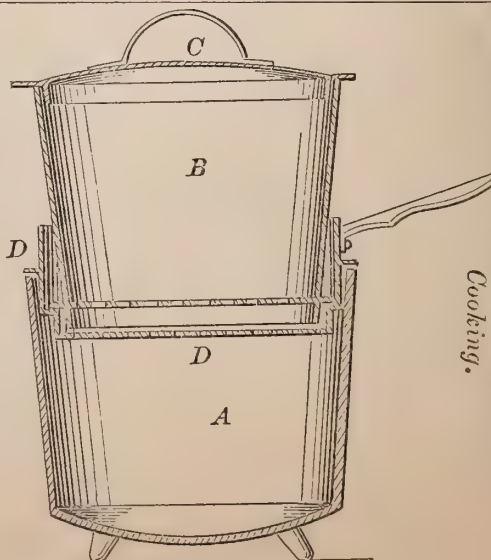
**63774**—W. Weckersham—*Egg Beater.*



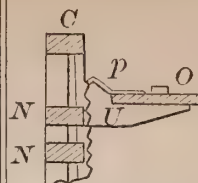
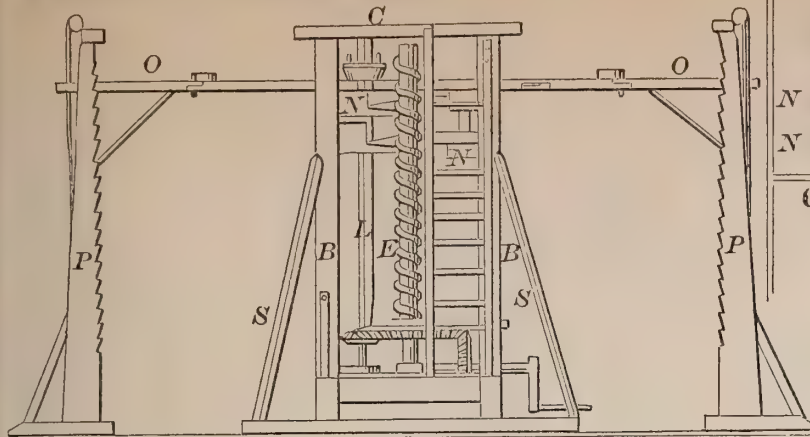
**63771**—G. H. White—*Road Scraper.*



**63772**—A. L. Whitney—*Steamer for Cooking.*

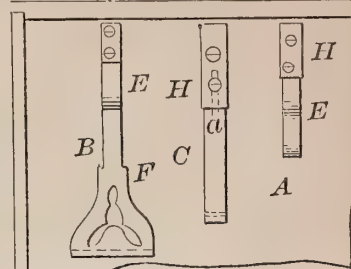


63775—J. P. Wright—*Scaffold.*

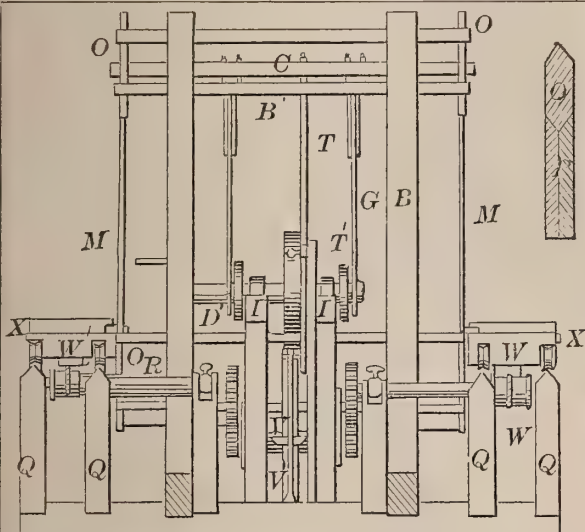
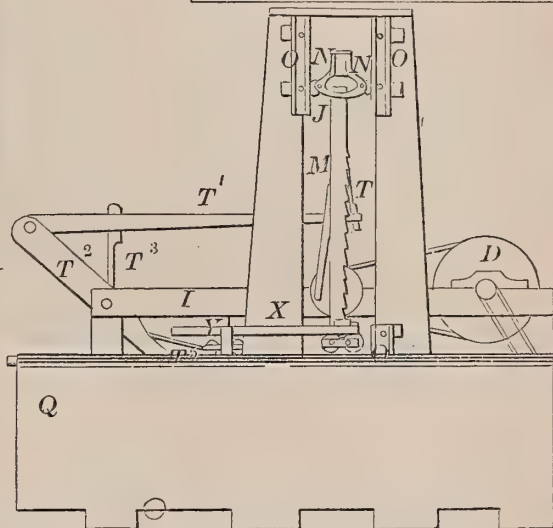


63779—  
A. C. Andrews—  
*Cutting India  
Rubber with  
Leather.*

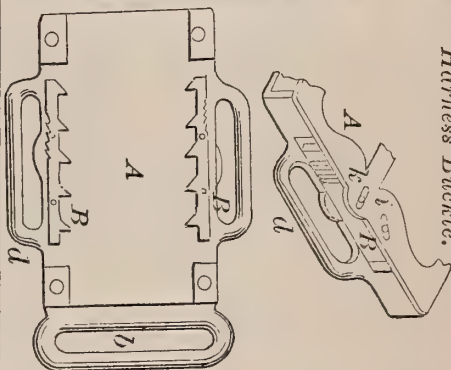
63776—N. A. Wright—*Book  
Holder for Pens.*



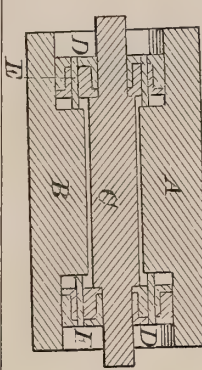
63780—A. Bee—*Saw Mill.*



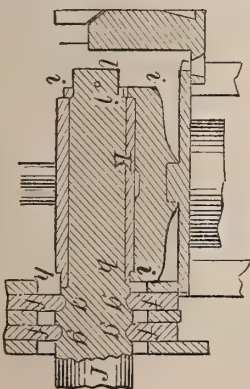
63782—G. S. Caldwell—  
*Harness Buckle.*



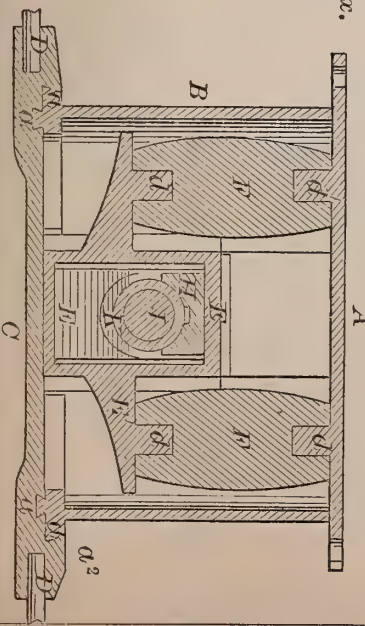
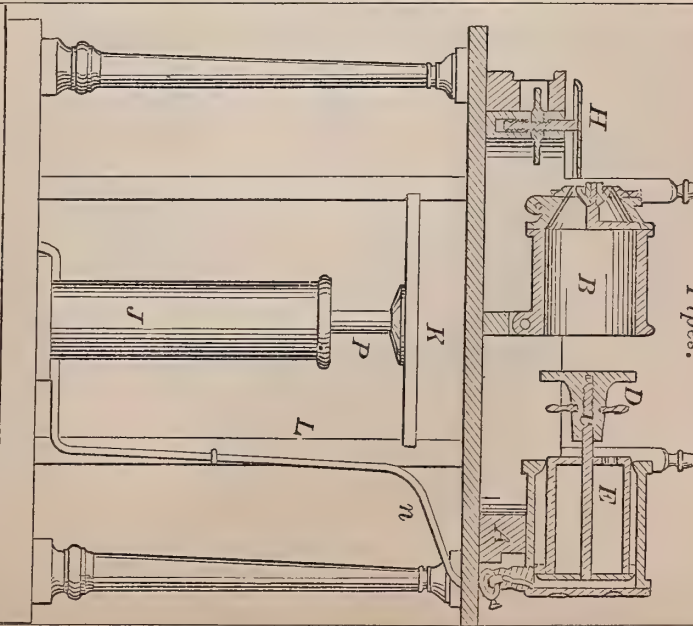
63781—H. M. Bird—*Mould  
for Pipe Casting.*



63783—N. Campbell—*Axle Box.*

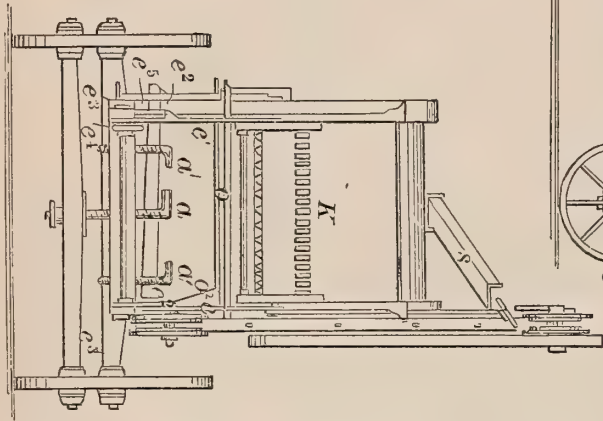
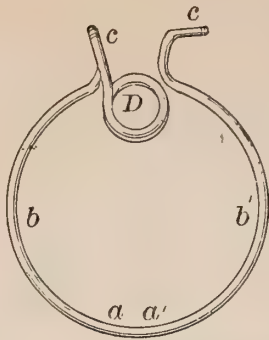


63784—C. Collier—*For Making Drain Water  
Pipes.*

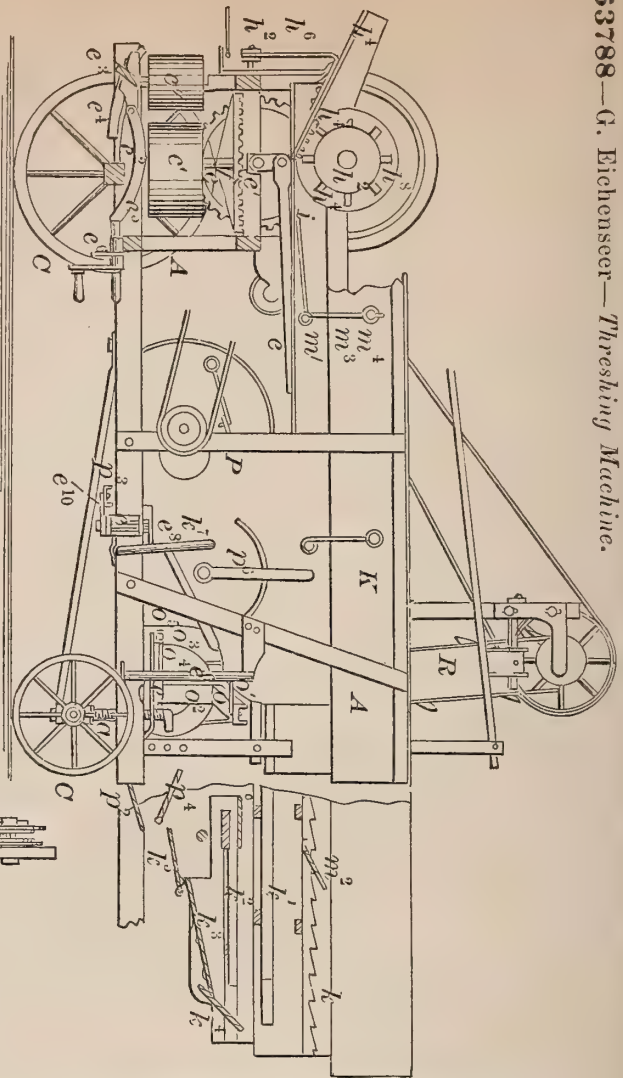




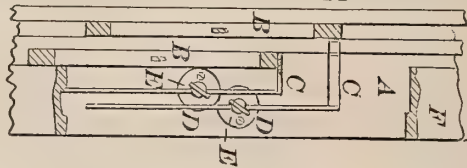
**63785**—G. Crandell—*Paper File.*



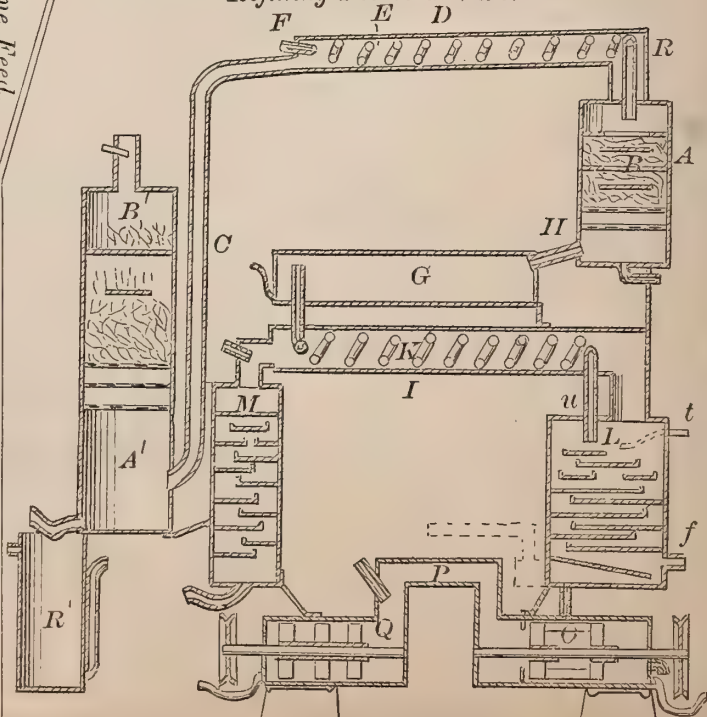
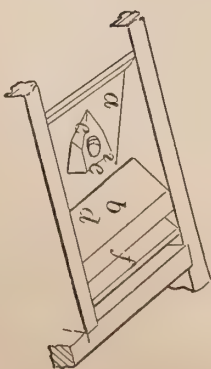
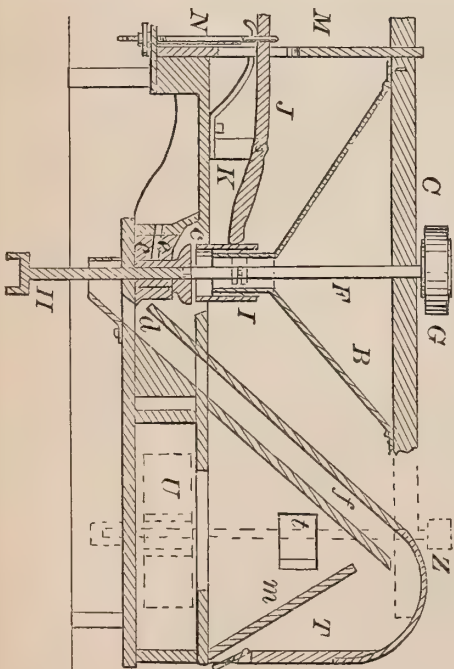
63788—G. Eichenseer—*Threshing Machine.*



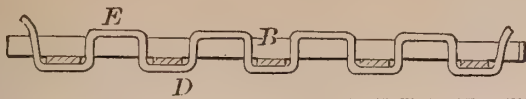
63787—H. Ehl—*Sash Supporter.*



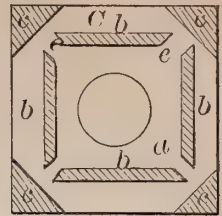
**63789**—Ellis & Kattell—*For Distilling and Refining Petroleum, &c.*

63786—M. De Camp—*Millstone Feed.*

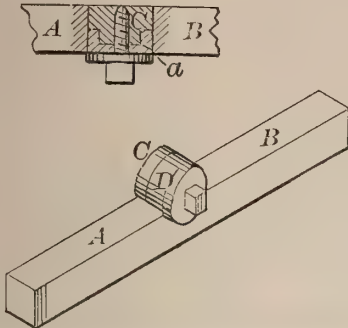
63790—D. Fitzgerald—*Bed Bottom.*



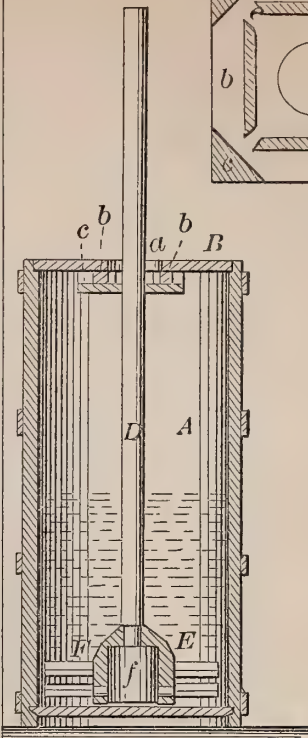
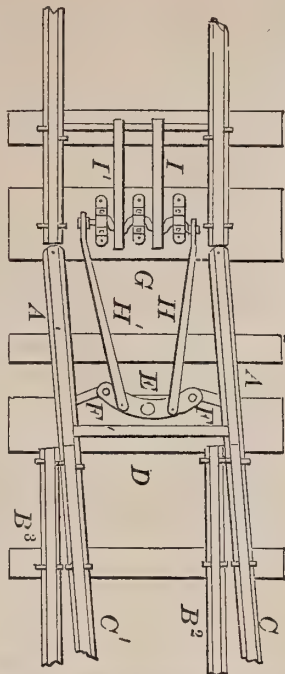
63791—J. C. Gaston—*Churn.*



63792—Gregory & Morse—*Joint for Carriage Top Braces.*



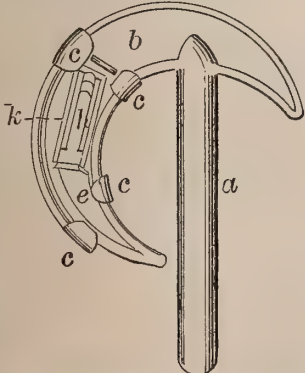
63794—J. A. Heyl—*Railway Switch.*



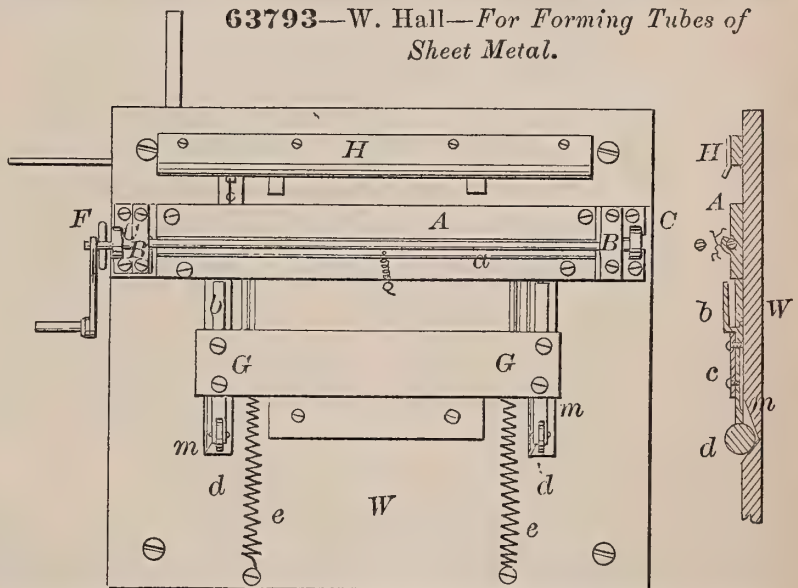
93795—W. Hubbard—*Table Cutlery.*



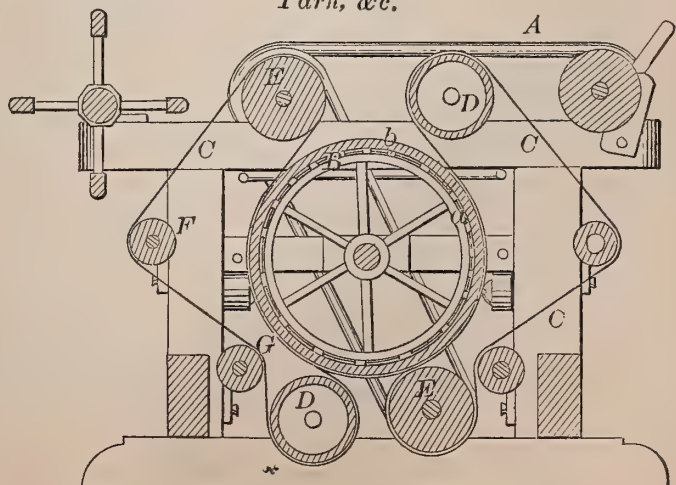
63796—O. D. Hunter—*Ox Bow Pin.*



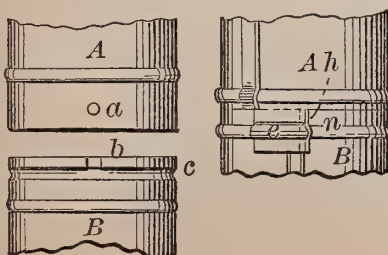
63793—W. Hall—*For Forming Tubes of Sheet Metal.*



63798—M. A. Johnson—*For Felting or Fulling Yarn, &c.*

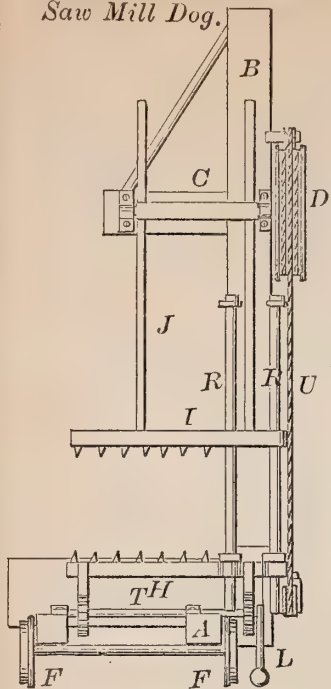


63797—A. B. Hurd—*Uniting Stove Pipes, &c.*

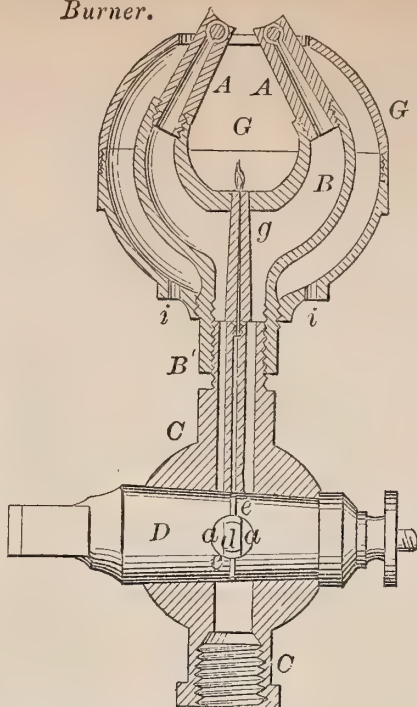




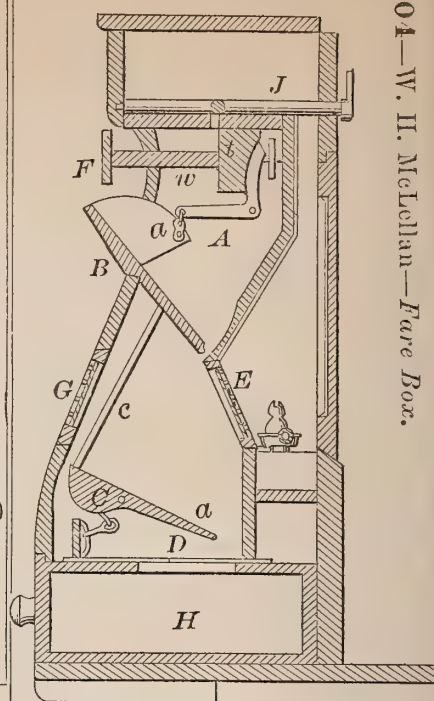
63799—C. G. Jones—  
*Saw Mill Dog.*



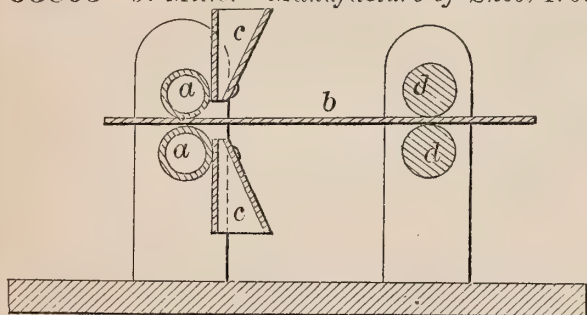
63802—Locke & Ulrich—*Gas  
Burner.*



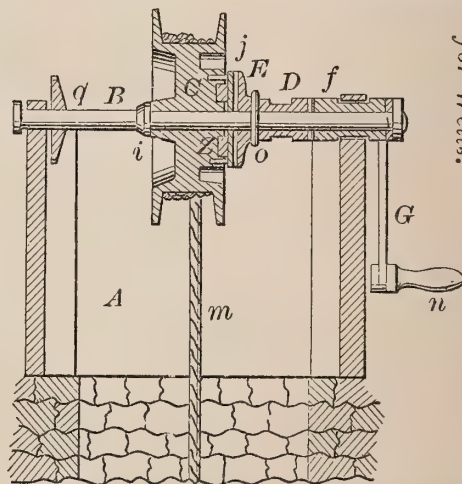
63804—W. H. McLellan—*Fare Box.*



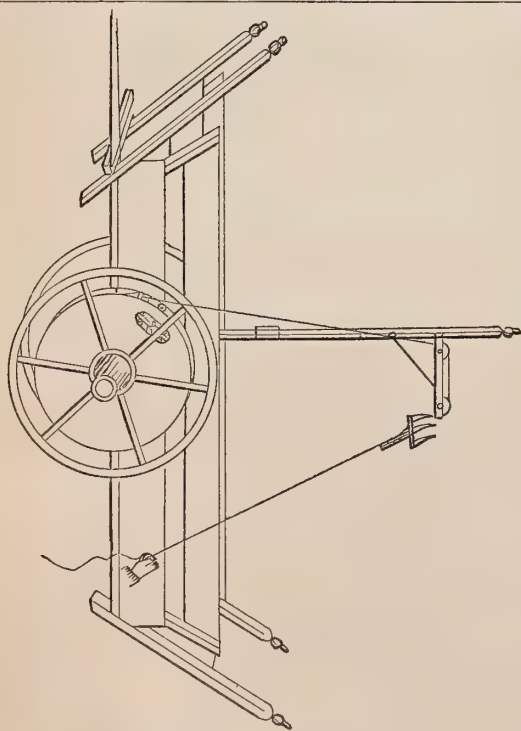
63805—J. Miller—*Manufacture of Sheet Iron.*



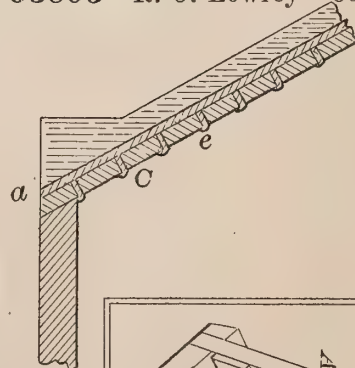
63800—F. H. Jones—*Windlass for  
for Wells.*



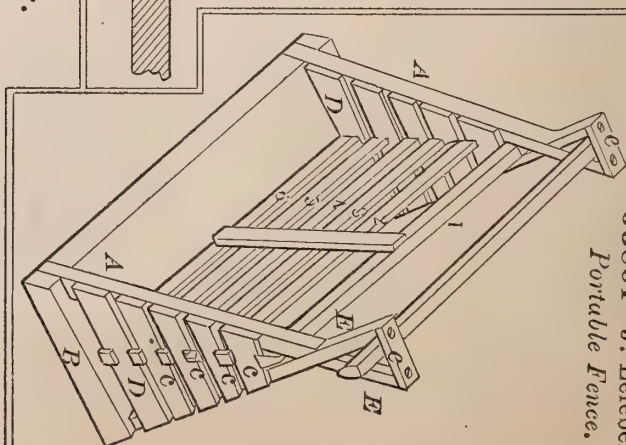
63806—J. Morgan—*Hay Loader.*



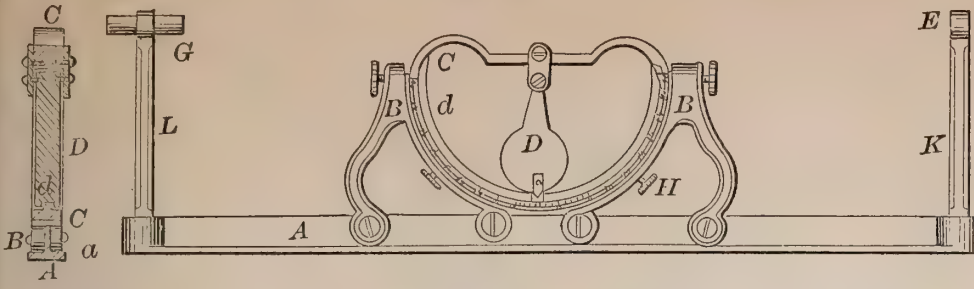
63803—R. O. Lowrey—*Cement Roofing.*



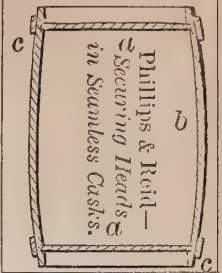
63801—J. Lefebvre—  
*Portable Fence.*



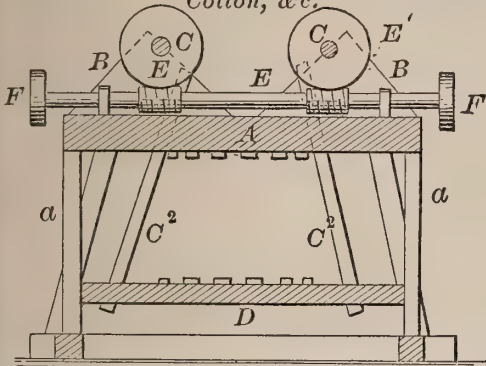
63807—C. Morrill—Pendulum Level and Sight.



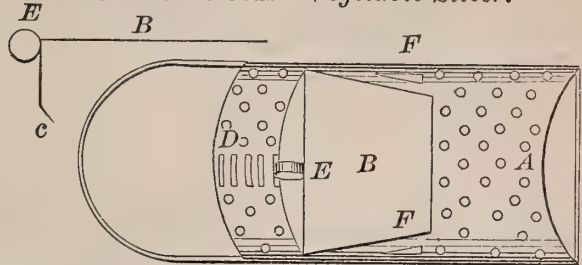
63810—



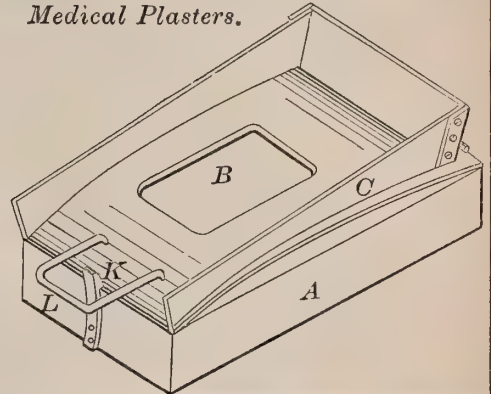
63808—E. L. Morse—Compress for Cotton, &c.



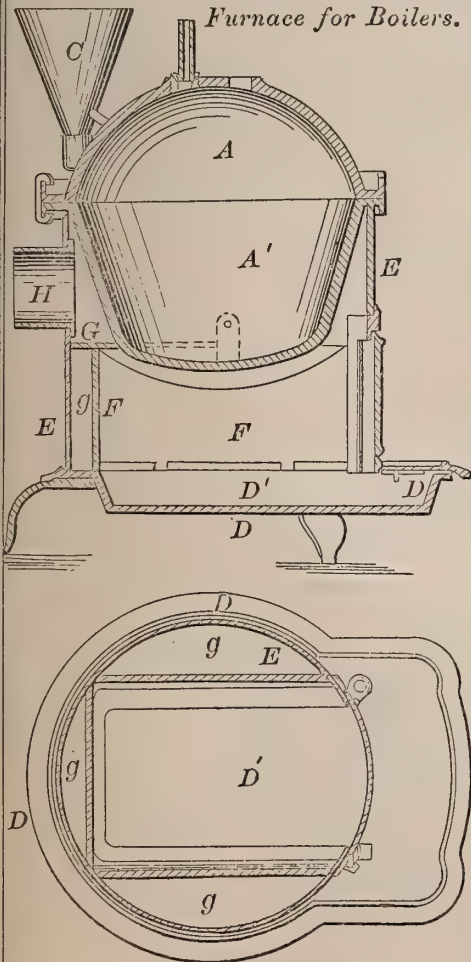
63809—A. M. Olds—Vegetable Slicer.



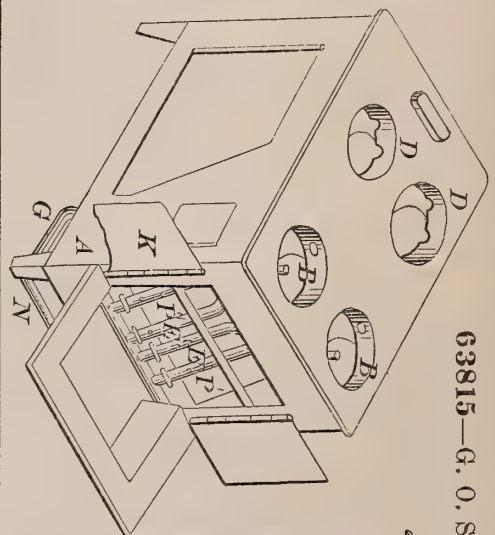
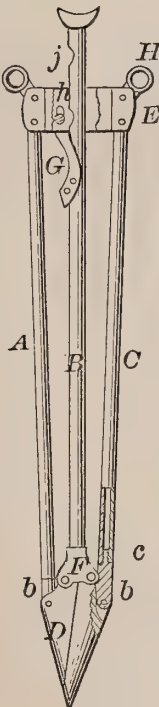
63814—A. D. Richards—For Making Medical Plasters.



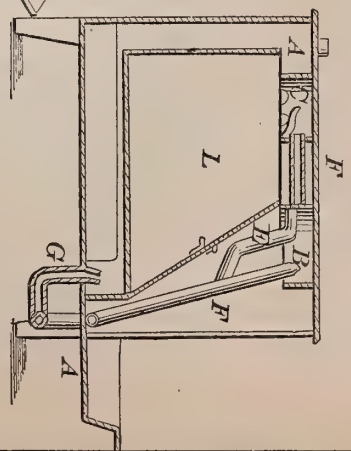
63811—D. R. Prindle—Portable Furnace for Boilers.



63812—E. Rhodes, Jr.—Horse Hay Fork.



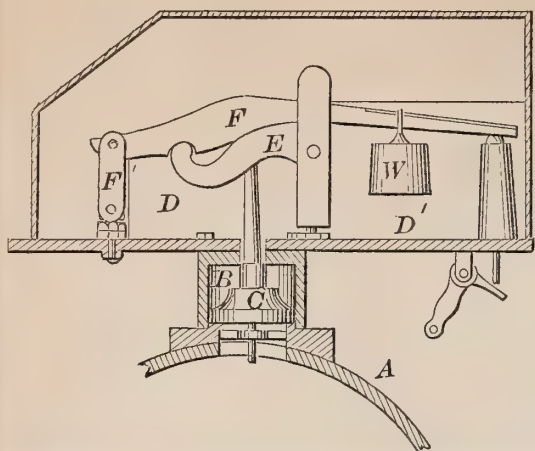
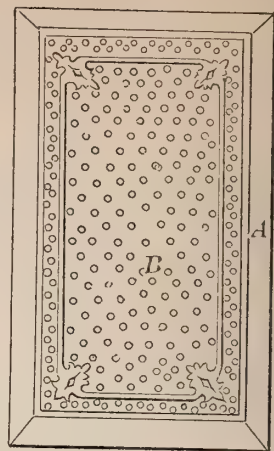
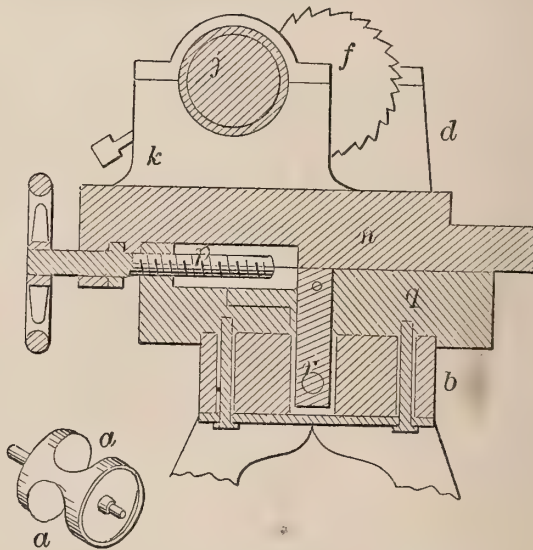
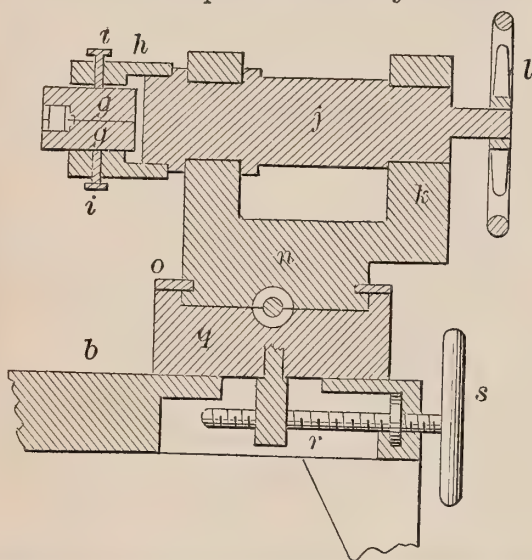
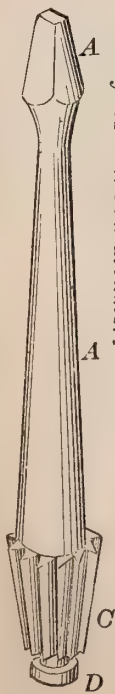
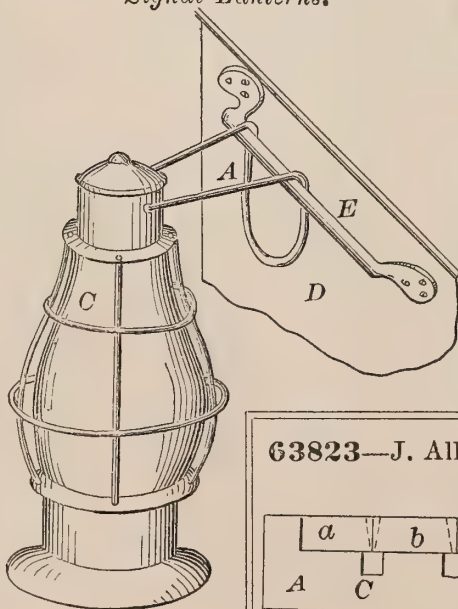
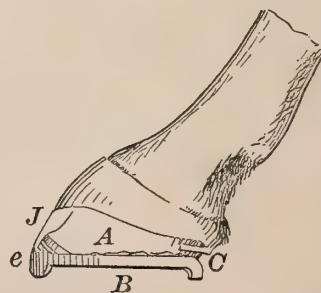
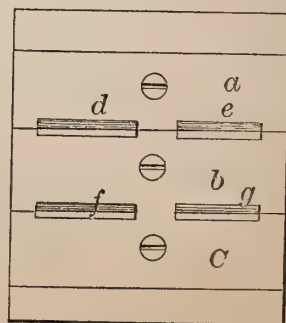
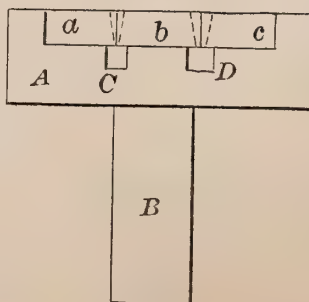
63815—G. O. Sanderson—Gas Cooking Stove.



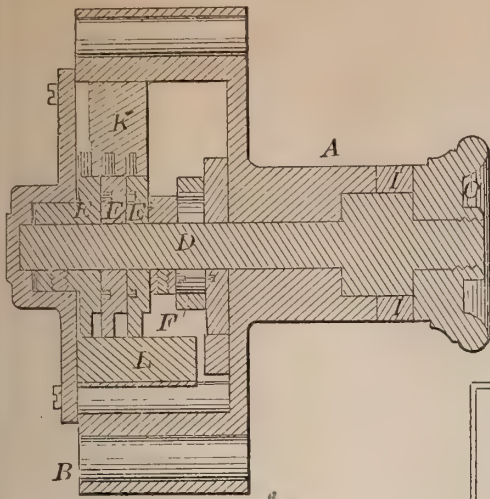
63813—W. B. Rice—Metallic Bobbin.



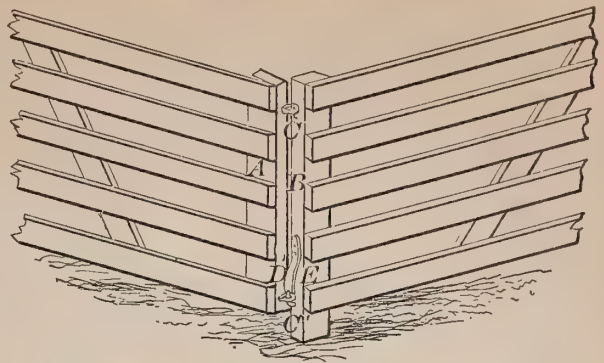


**63816**—J. Schaffer—*Steam Safety Valve.***63817**—F. B. Scott—*Ladies' Fan.***63818**—F. B. Scott—*Window Screen.***63819**—L. W. Spencer—*Making Cornets.***63822**—P. Meyers—*Wood Reamer.***63820**—A. N. Towne—*Handle for Signal Lanterns.***63821**—A. D. Westbrook—*Protecting Pad for Interfering Horses.***63823**—J. Allen—*Die for Swaging Horse Shoe Calks.*

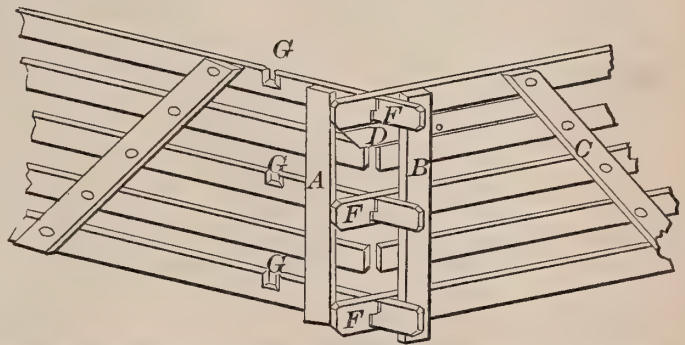
**63824**—G. B. Atwood—*Permutation Lock.*



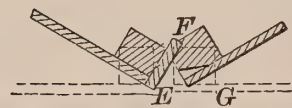
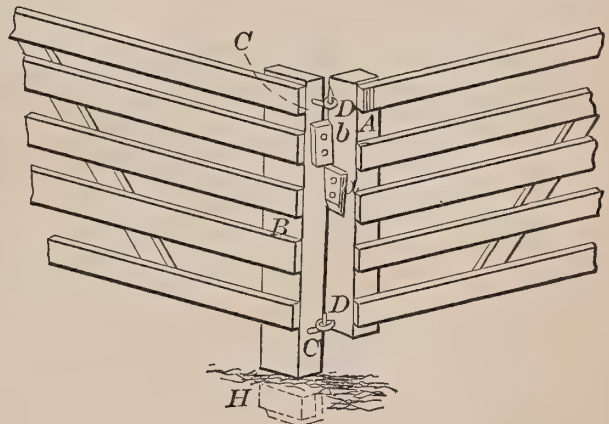
**63825**—J. Augspurger—*Portable Fence.*



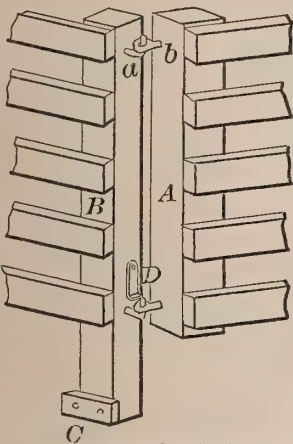
**63826**—J. Augspurger—*Portable Fence.*



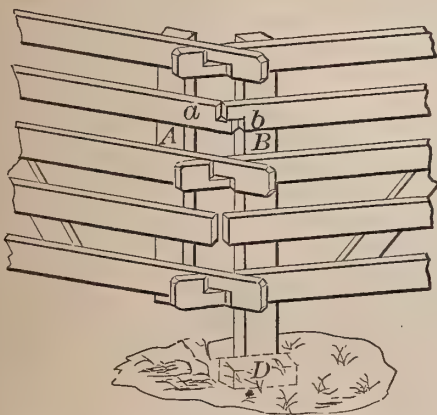
**63828**—J. Augspurger—*Portable Fence.*



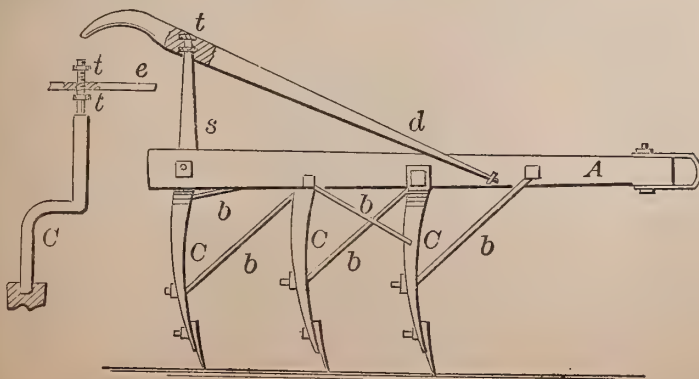
**63829**—J. Augspurger—*Portable Fence.*



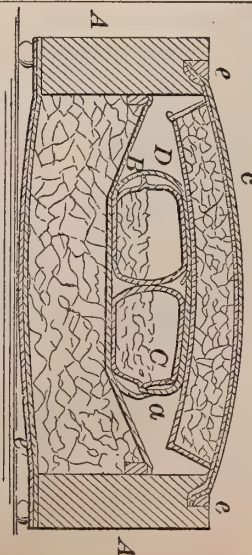
**63827**—J. Augspurger—*Portable Fence.*



**63830**—W. M. Ball—*Cultivator.*

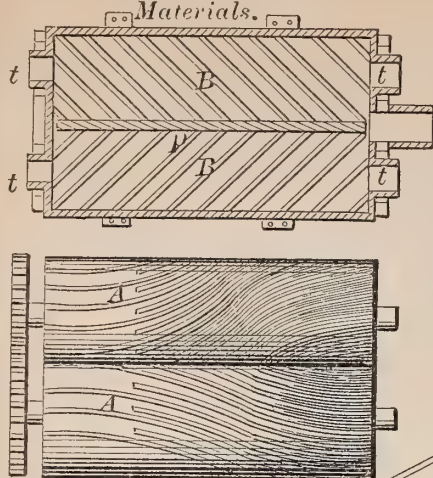


**63831**—L. Baueßler—*Matress and Life Preserving Float.*

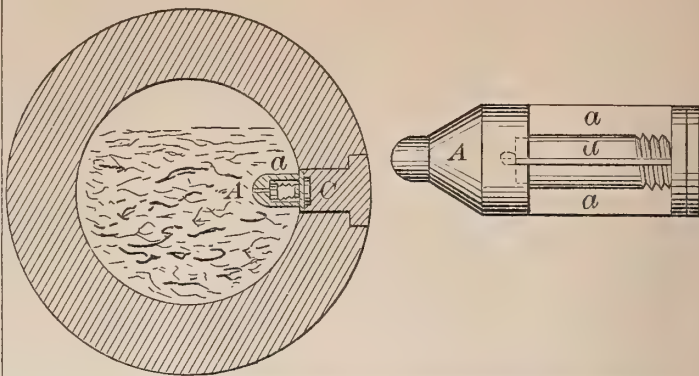




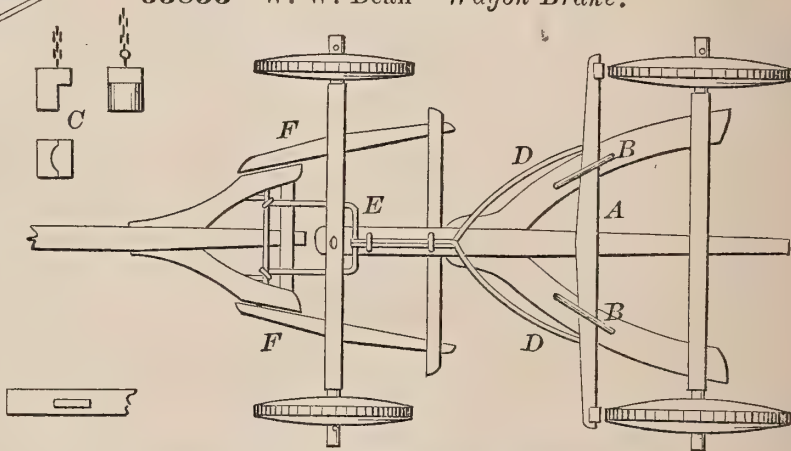
**63832**—Beach & Abbey—*For Disintegrating and Pulping Fibrous Materials.*



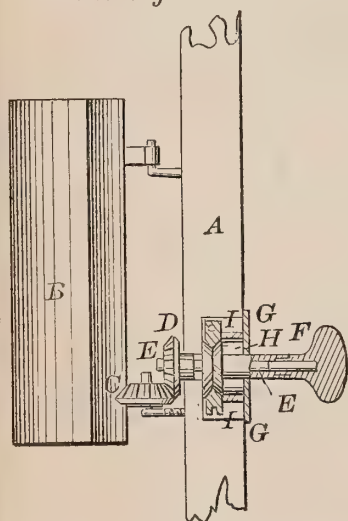
**63834**—W. S. Beebe—*Concussion Fuse for Explosive Shells.*



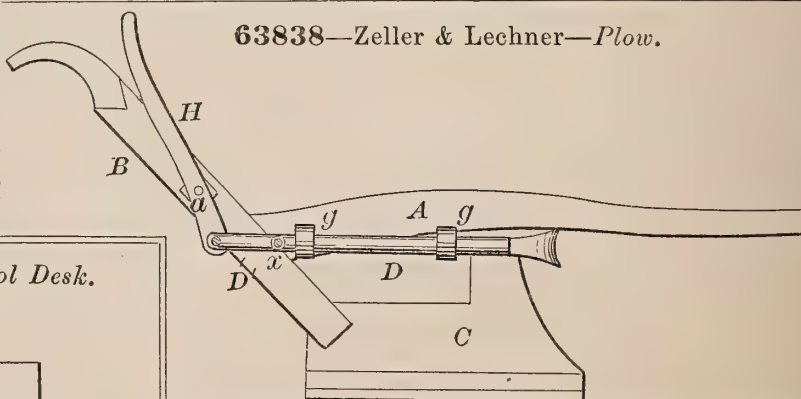
**63833**—W. W. Bean—*Wagon Brake.*



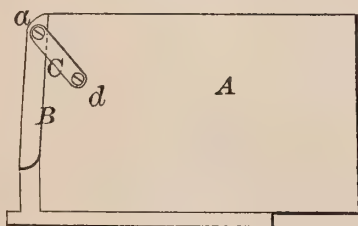
**63835**—Beecher, Davis, Frost & Davis—*Blind Fastening.*



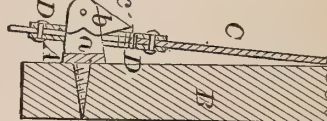
**63838**—Zeller & Lechner—*Plow.*



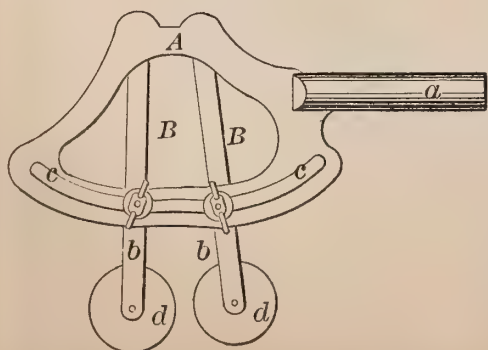
**63839**—J. E. Blair—*School Desk.*



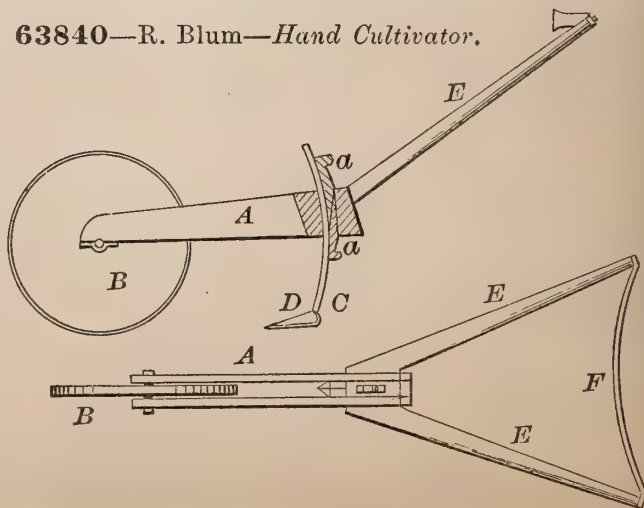
**63837**—S. Bidwell—*Button for Carriage Curtains.*



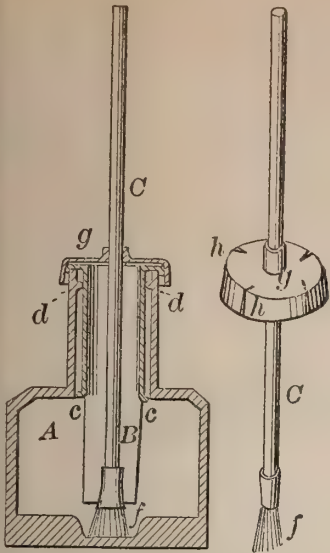
**63836**—H. C. Berry—*Wood Turning Lathe.*



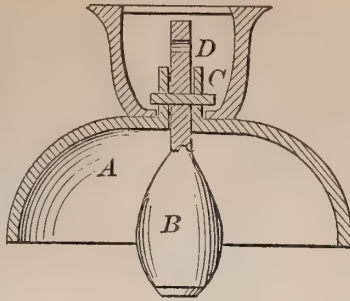
**63840**—R. Blum—*Hand Cultivator.*



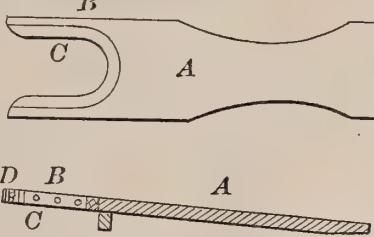
63841—D. Bly—*Mucilage Bottle.*



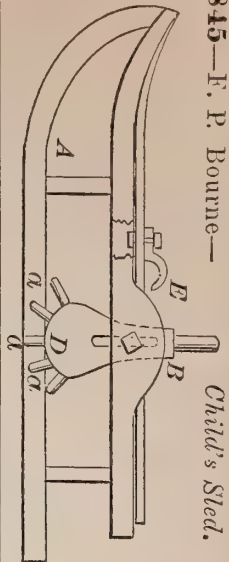
63843—A. Borrowman—*Car Bell.*



63844—H. D. Boss—*Bootjack.*

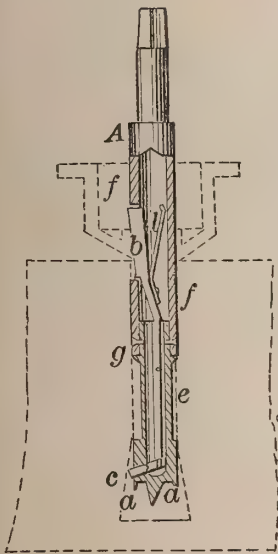


63845—F. P. Bourne—

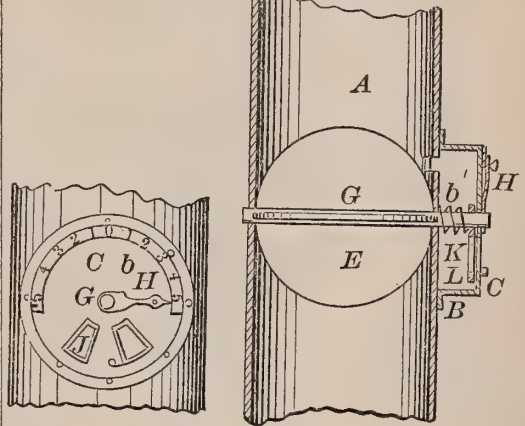


*Child's Sled.*

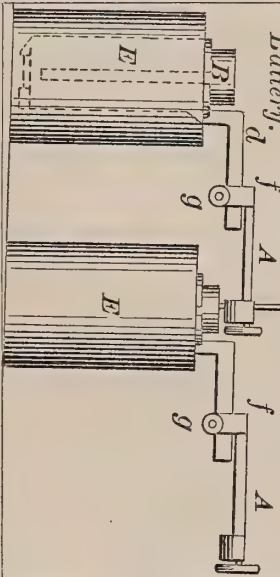
63842—C. Boernicke—*Wood Boring Bit.*



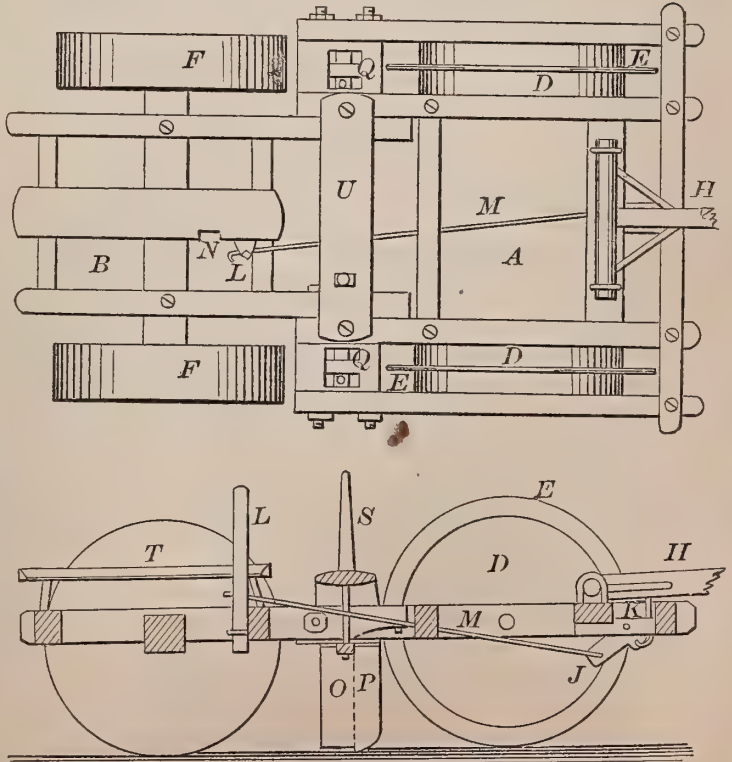
63850—I. S. Bullard—*For Controlling Draft in Stove Pipes.*



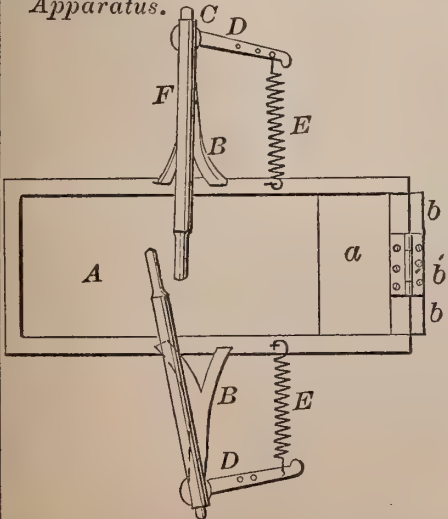
63848—P. Brusio—*Electro-Magnetic Battery.*



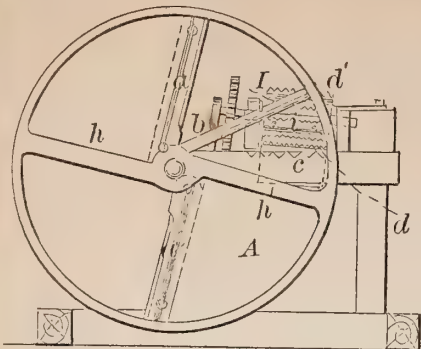
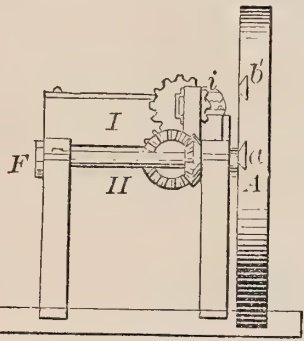
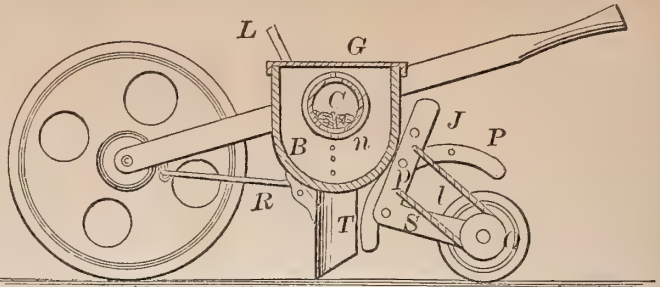
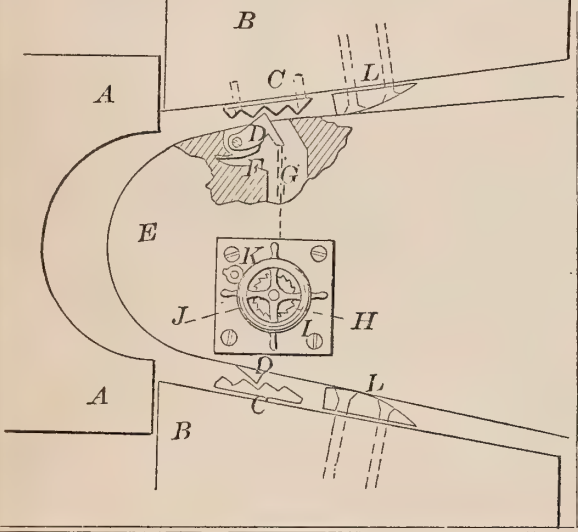
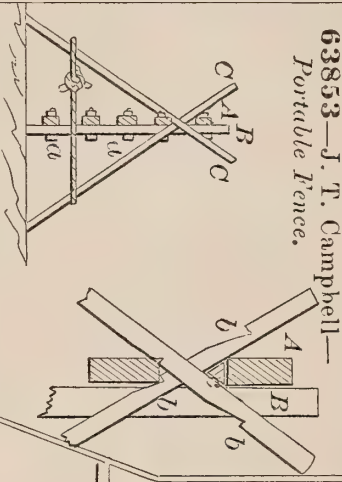
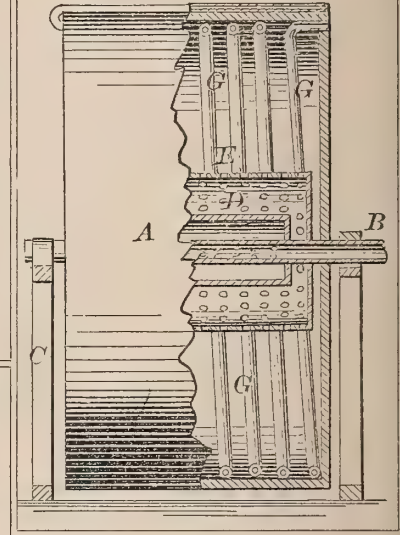
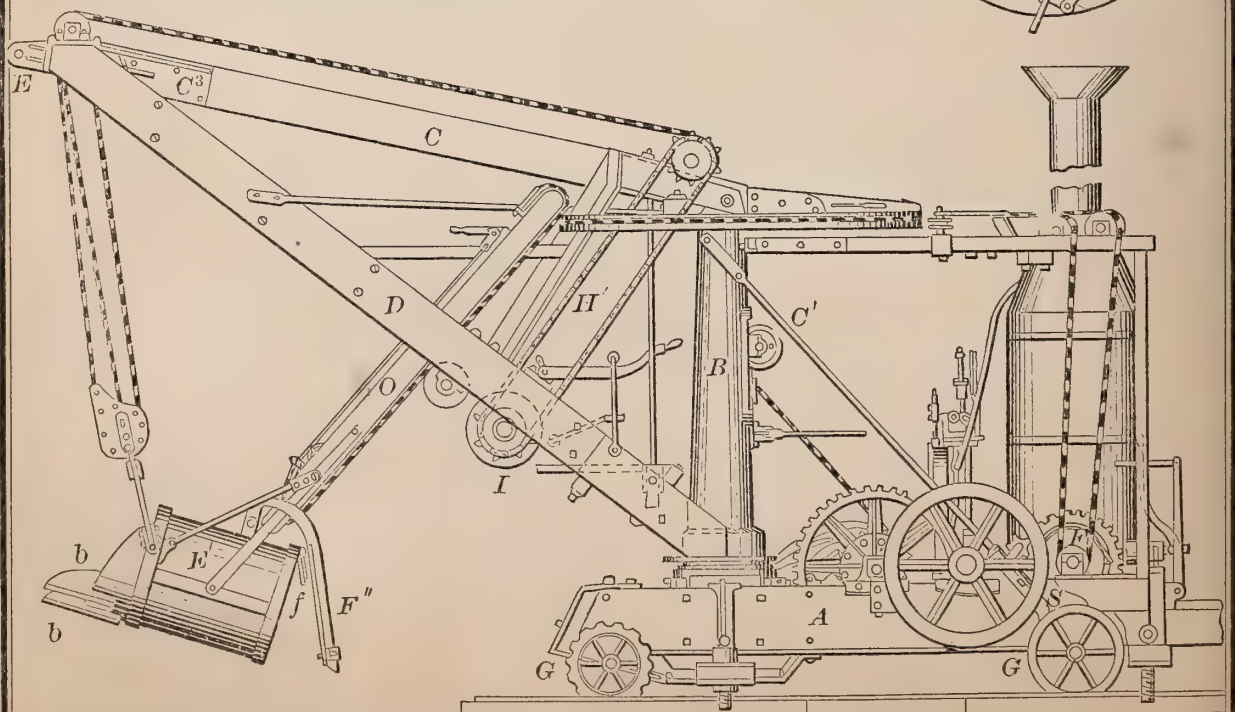
63851—J. Burns—*Corn Planter.*



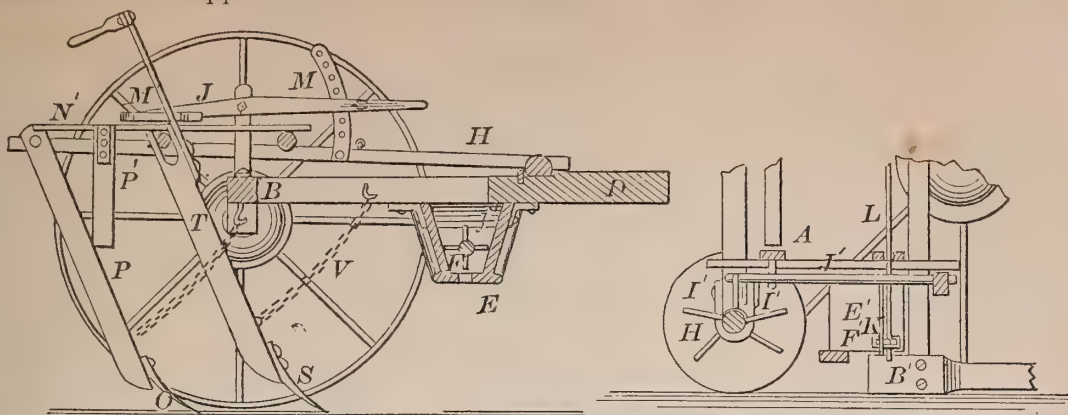
63846—B. F. Brady—*Exercising Apparatus.*



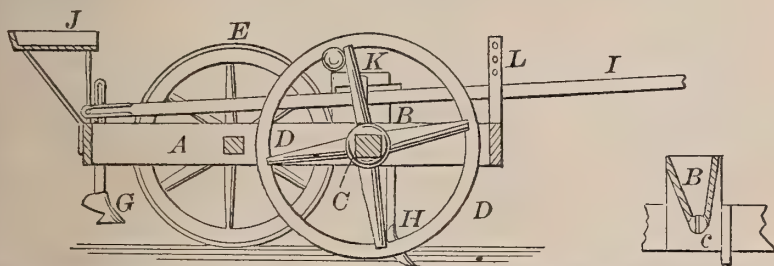


63852—W. W. Burson—*Straw Cutter.*63854—Cone & Douglass—*Hand Seeding Machine.*63855—J. L. Canham—*Locking Apparatus for Ferry Boats.*63853—J. T. Campbell—*Portable Fence.*63856—F. Carl—*For Stuffing and Currying Leather.*63857—O. S. Chapman—*Excavator.*

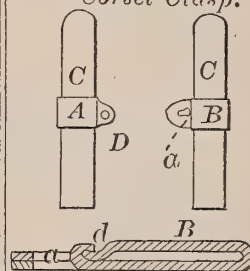
63858—I. H. Chappell—Planter and Cultivator.



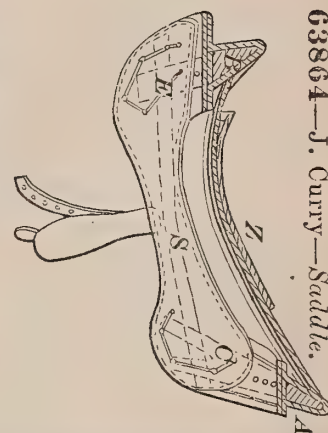
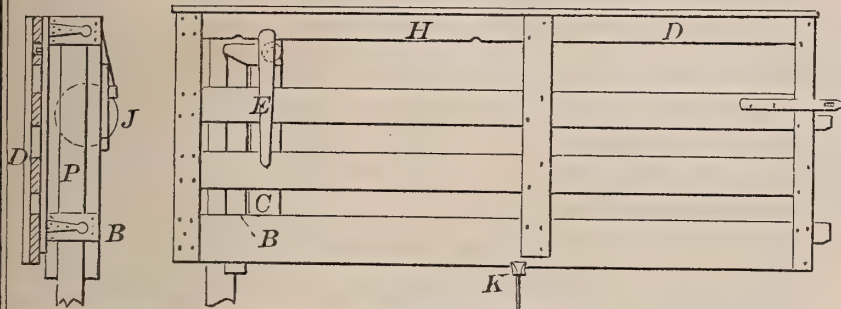
63859—E. E. Chesney—Seed Planter.



63863—C. O. Crosby—Corset Clasp.

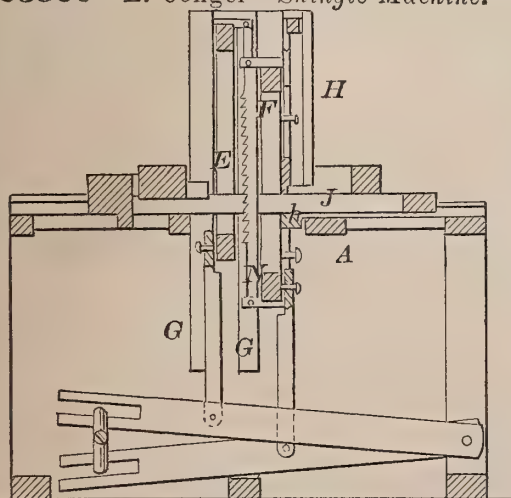


63862—W. M. Crawford—Farm Gate.

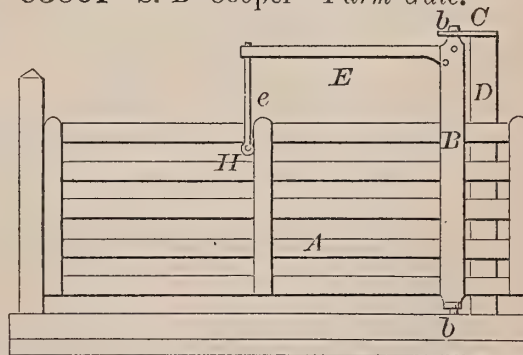


63864—J. Curry—Saddle.

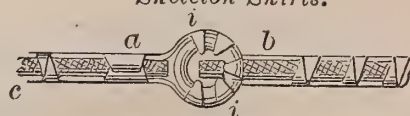
63860—E. Conger—Shingle Machine.



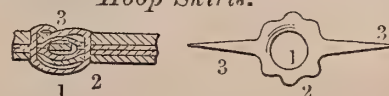
63861—S. B. Cooper—Farm Gate.



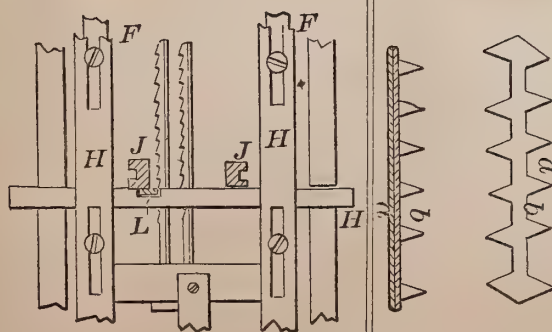
63866—T. D. Day—Clasp for Skeleton Skirts.



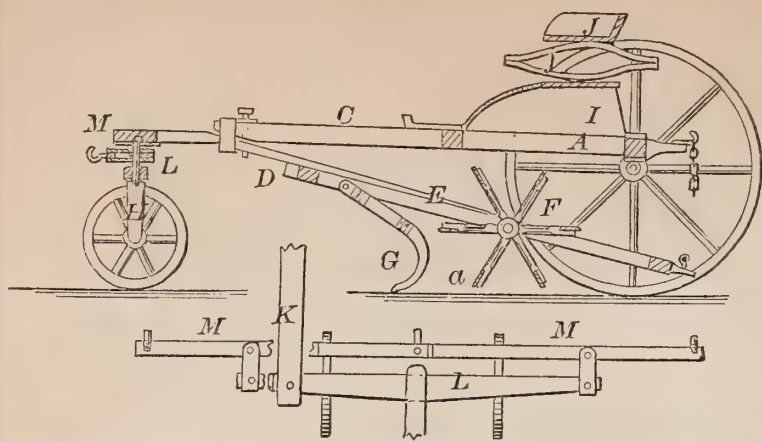
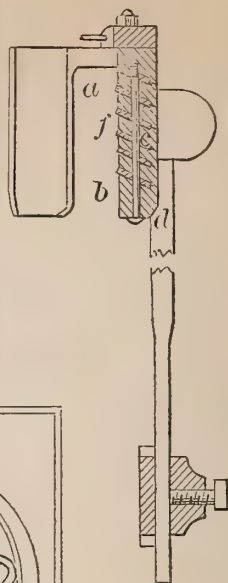
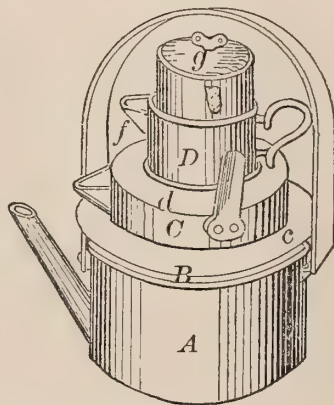
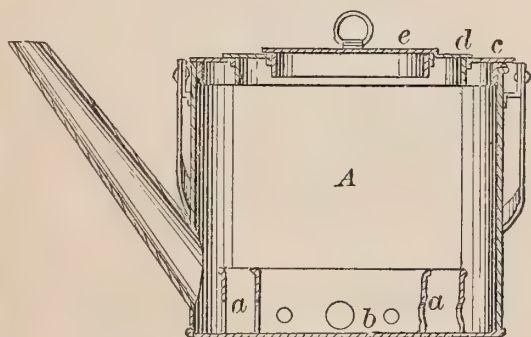
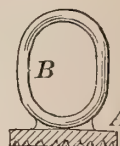
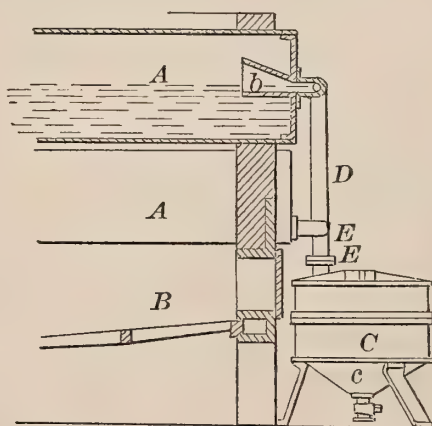
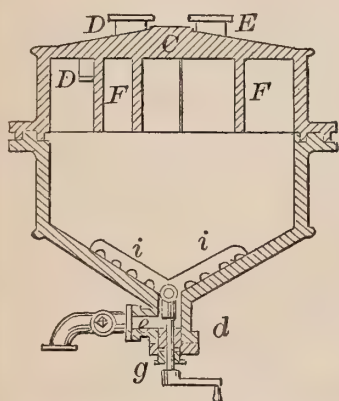
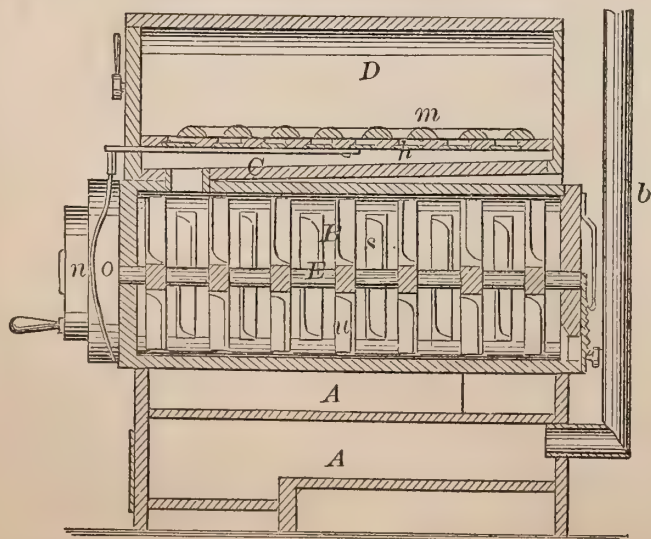
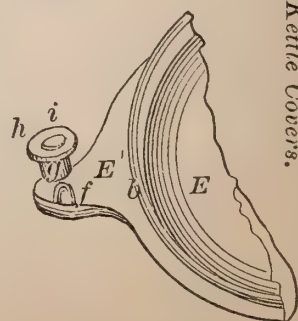
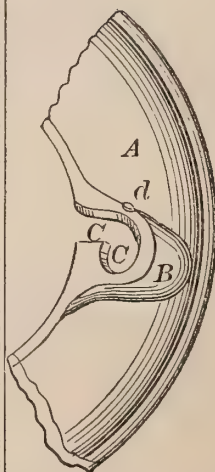
63867—A. Delkescamp—Clasp for Hoop Skirts.



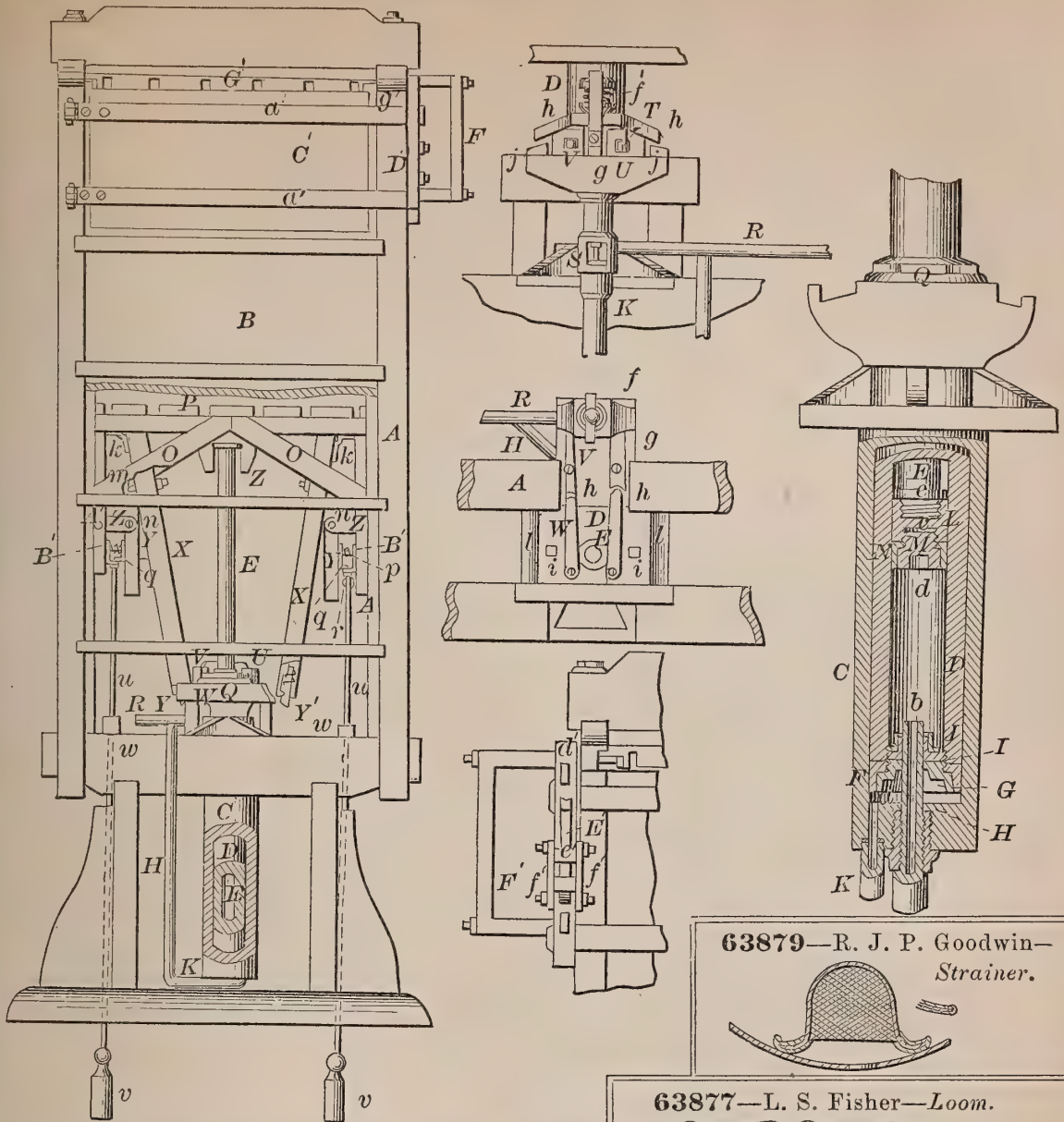
63865—T. D. Day—Clasp for Skeleton Skirts.



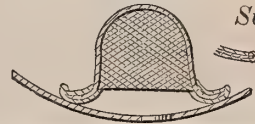


63868—W. M. Dexter—*Stalk Cutter.*63872—Dutcher & Draper—*Loom Temple.*63871—B. W. Dunning—*Cooking Kettle.*63870—J. B. Dunlop—*Glass Cleaner.*63869—C. J. Dumery—*Tanning Apparatus.*63873—A. Eagle—*For Mixing Roofing Composition.*63874—J. Easterly—*Hinge for Tea Kettle Covers.*

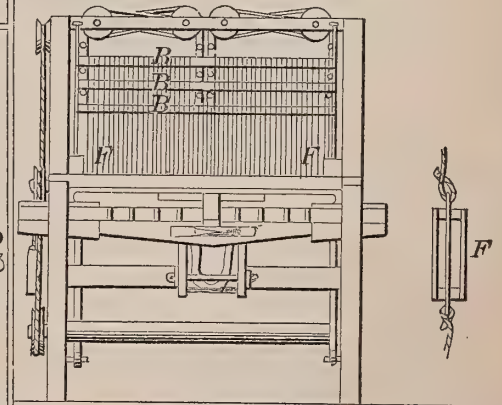
63875—A. H. Emery—Hydraulic Press.



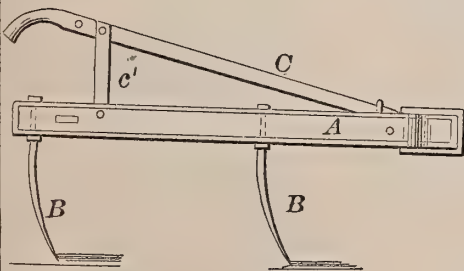
63879—R. J. P. Goodwin—Strainer.



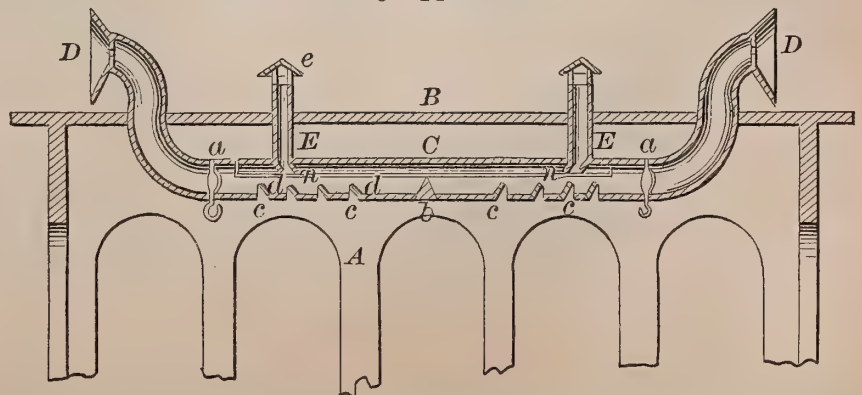
63877—L. S. Fisher—Loom.



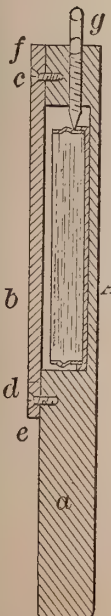
63878—J. G. Good—Dung Hook.



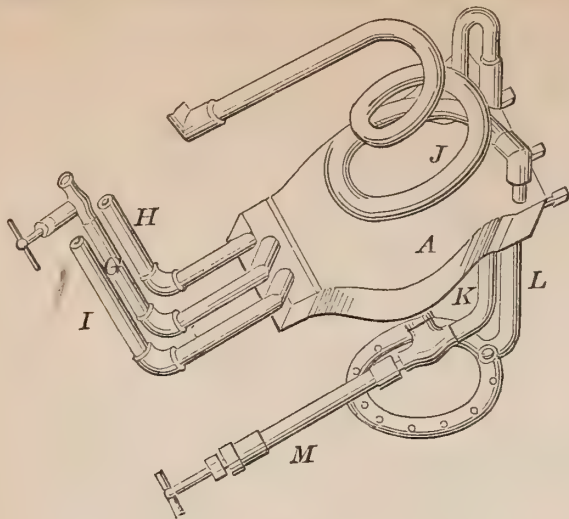
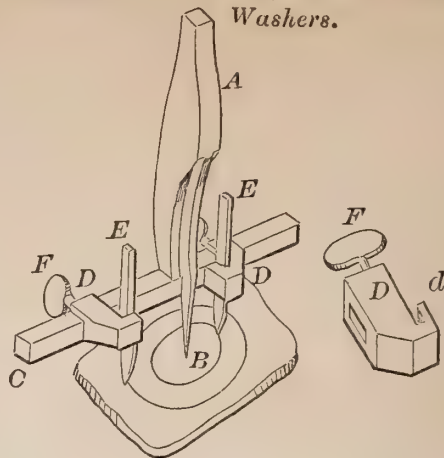
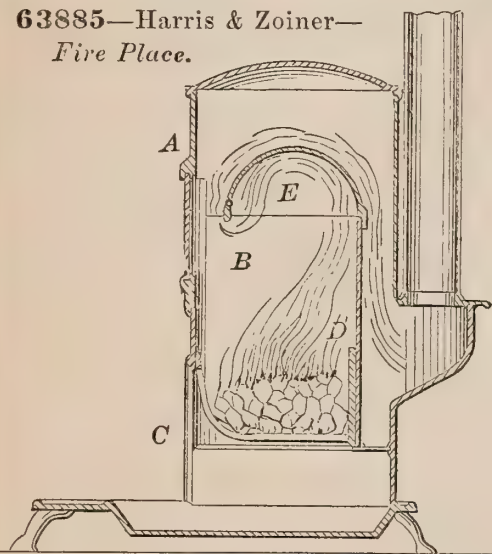
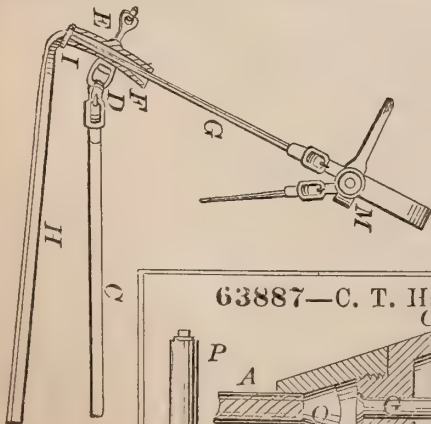
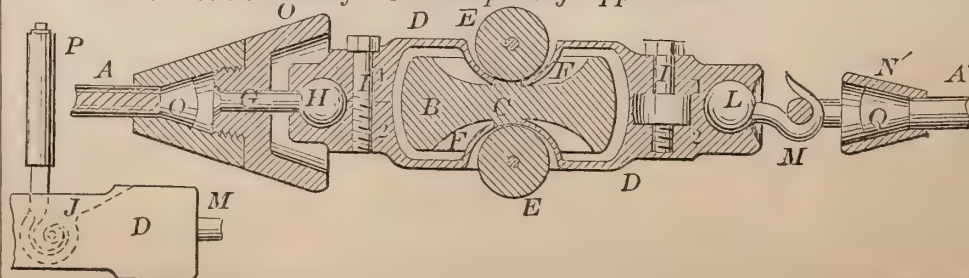
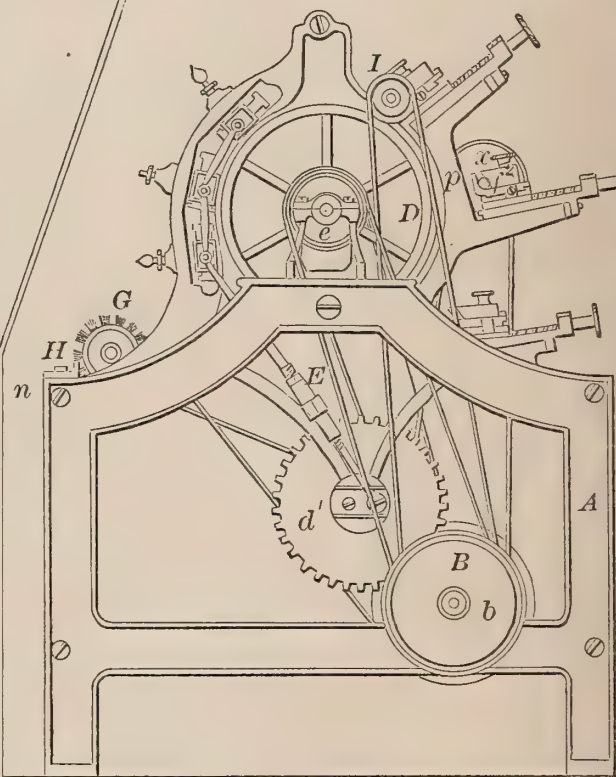
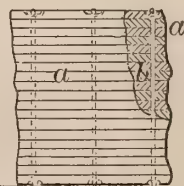
63880—R. C. Graves—Ventilating Apparatus for Railroad Cars.



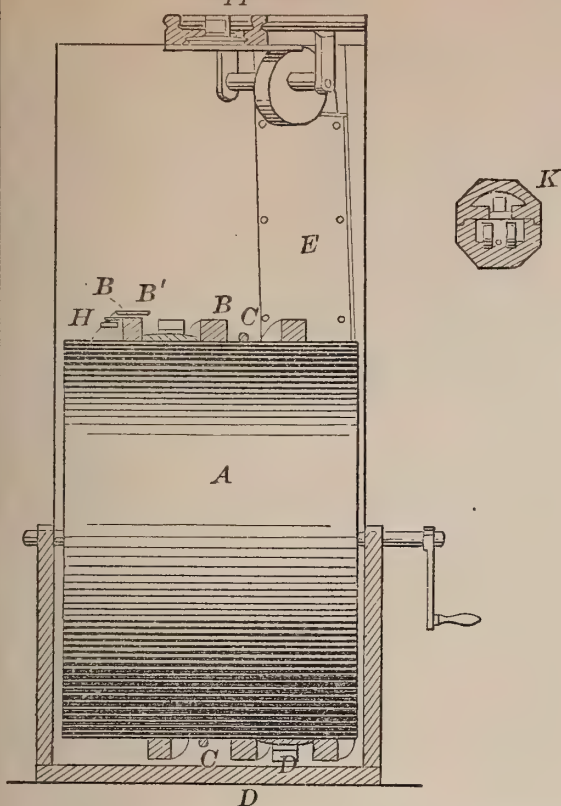
63876—W. A. Field—Blacking Box Holder.





63881—A. J. Griffin—*Hydro-Carbon Burner.*63882—A. P. Gruger—*For Cutting Washers.*63885—Harris & Zoiner—*Fire Place.*63886—J. Harris—*Bridle.*63887—C. T. Harvey—*Car Propelling Apparatus.*63884—C. Hardy—*Carding Machine.*63883—M. J. Haines—*Driving Belt.*

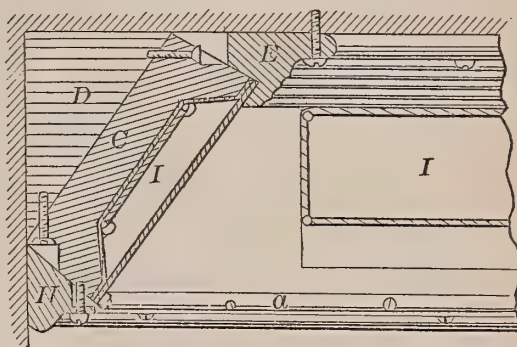
63888—C. T. Harvey—*Car Propelling Apparatus.*



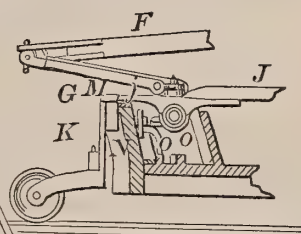
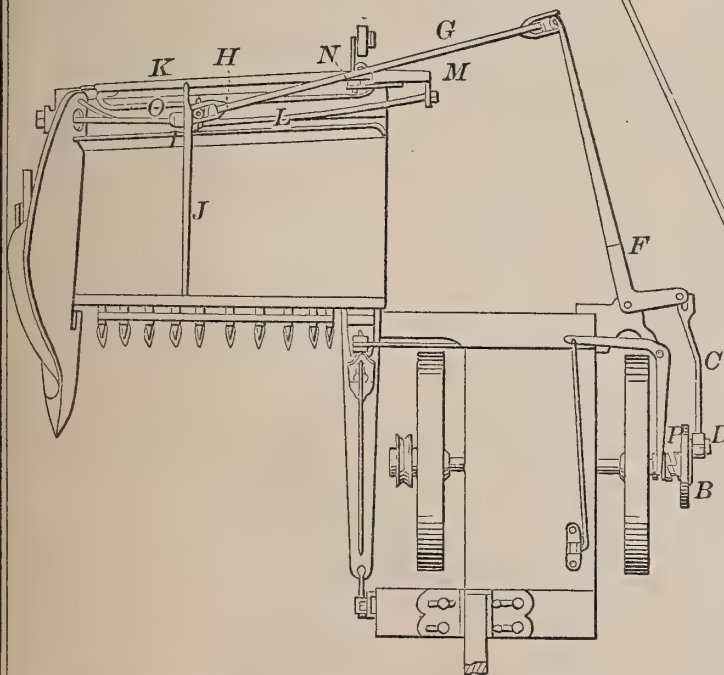
63889—C. L. Hawes—*Hotel Register*.

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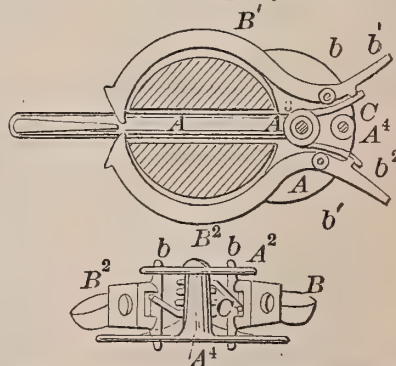
63893—A. J. Holmes—*Window Cornice.*



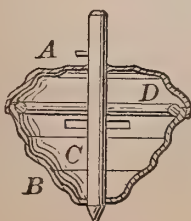
**63890**—Hirschy & McDonald—*Harvester Rake.*



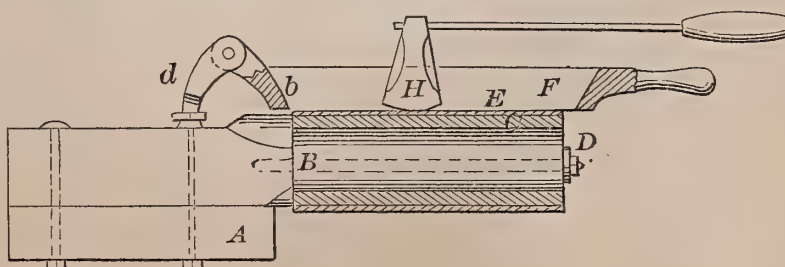
63894—B. B. Hotchkiss—  
*Ox Bow Pin.*



**63891**—R. Hoadley—*Spinning Top.*

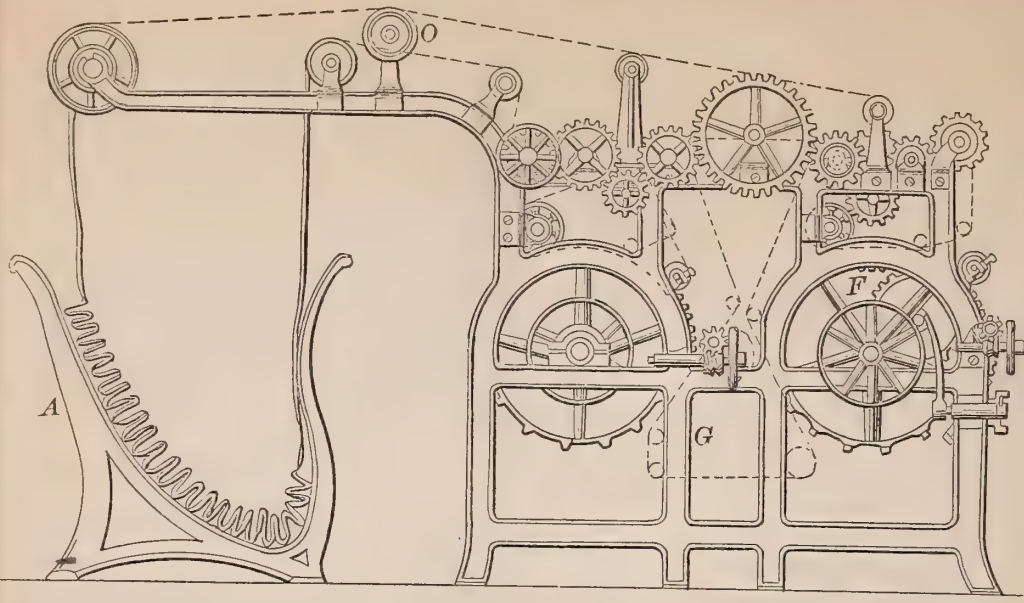


**63892**—R. J. Hollingsworth—*For Seaming Sheet Metal Cans.*

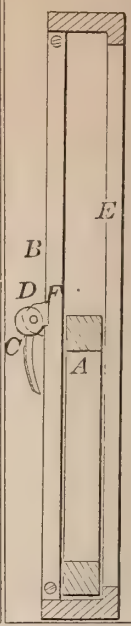




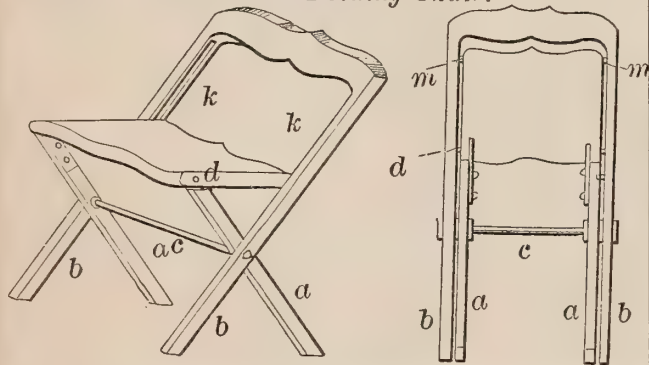
63895—A. Houget—*For Raising a Nap upon Cloth.*



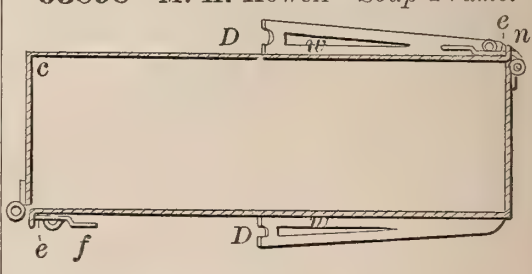
63900—J. W. Hutchins—*Sash Supporter.*



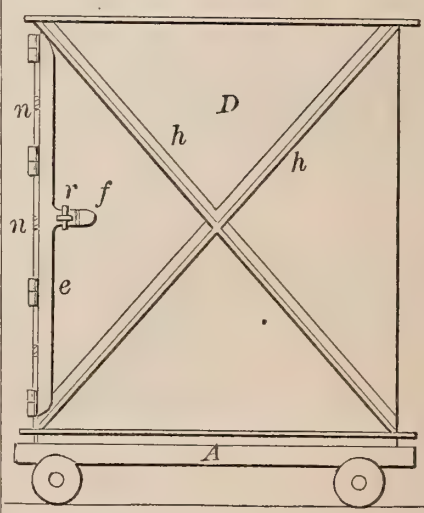
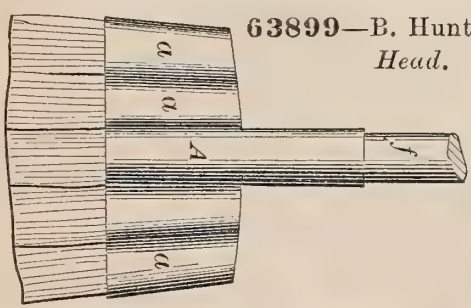
63897—D. Howarth—*Folding Chair.*



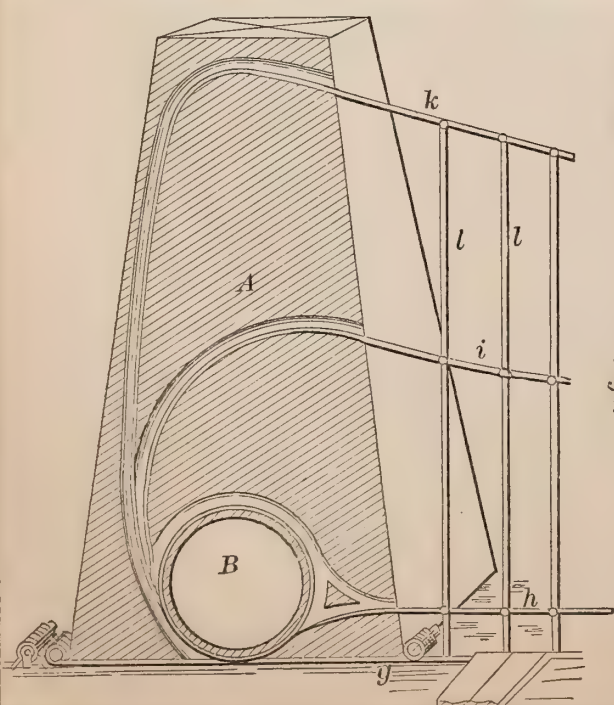
63898—M. H. Howell—*Soap Frame.*



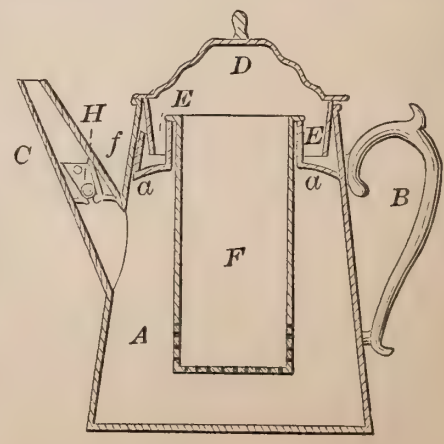
63899—B. Hunt—*Broom Head.*



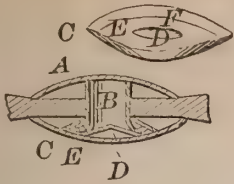
63901—W. James—*Bridge.*



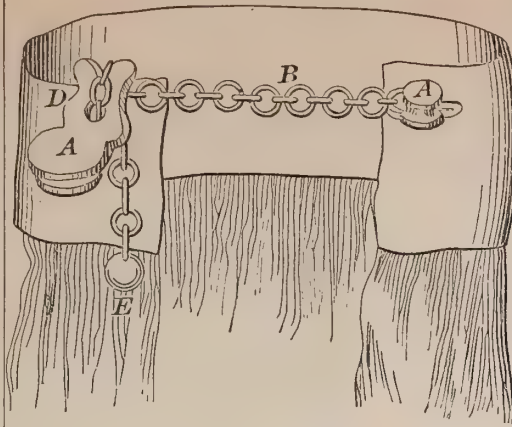
63903—G. Jones—*Coffee Pot.*



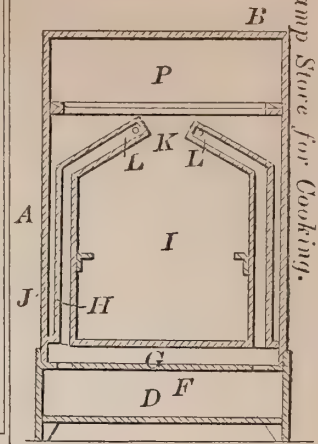
**63905**—J. M. Keep—*Paper Fastening.*



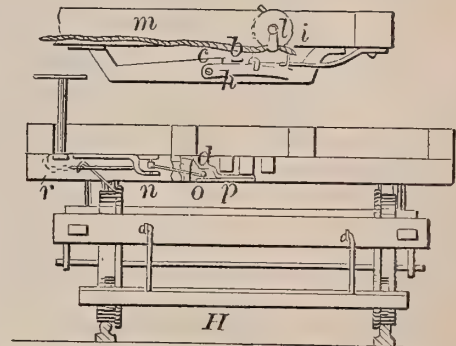
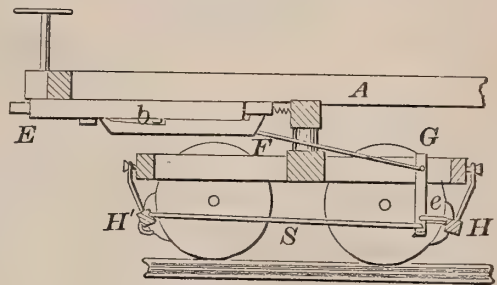
**63906**—M. H. N. Kendig—*Garment Fastener.*



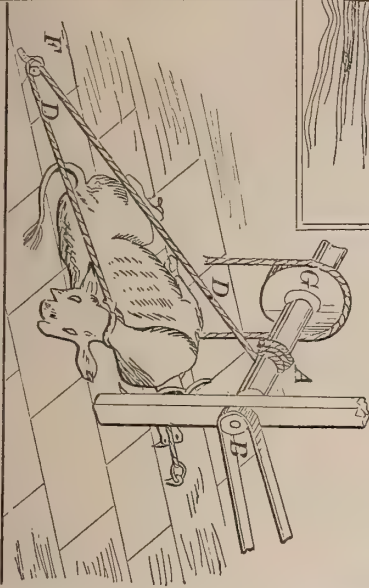
**63907**—Kennel, Smith & Morrison—*Lamp Stand for Looking.*



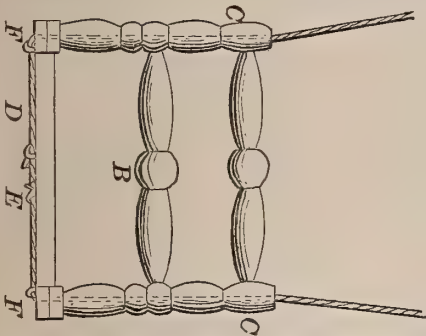
**63909**—S. M. Lee—*Car Brake.*



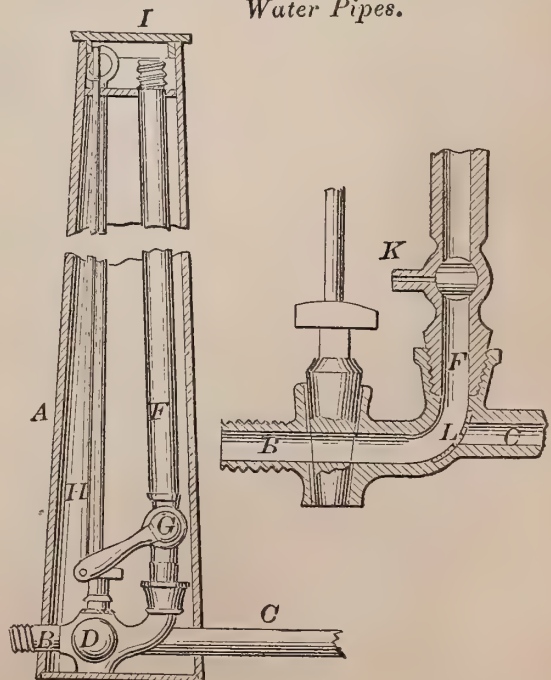
**63910**—H. S. Lewis—*Skinning Cattle.*



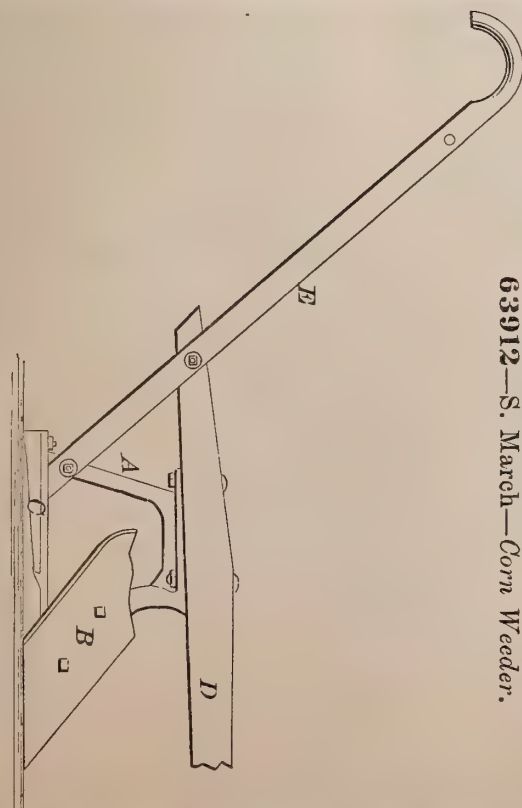
**63911**—G. H. Lupton—*Swing.*



**63913**—Marks & Eckels—*For Cleansing Water Pipes.*

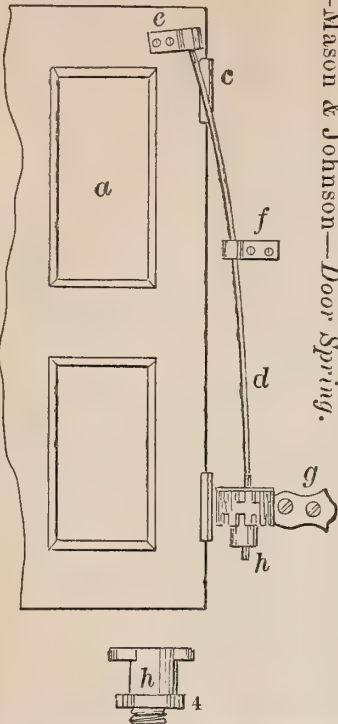


**63912**—S. March—*Corn Weeder.*

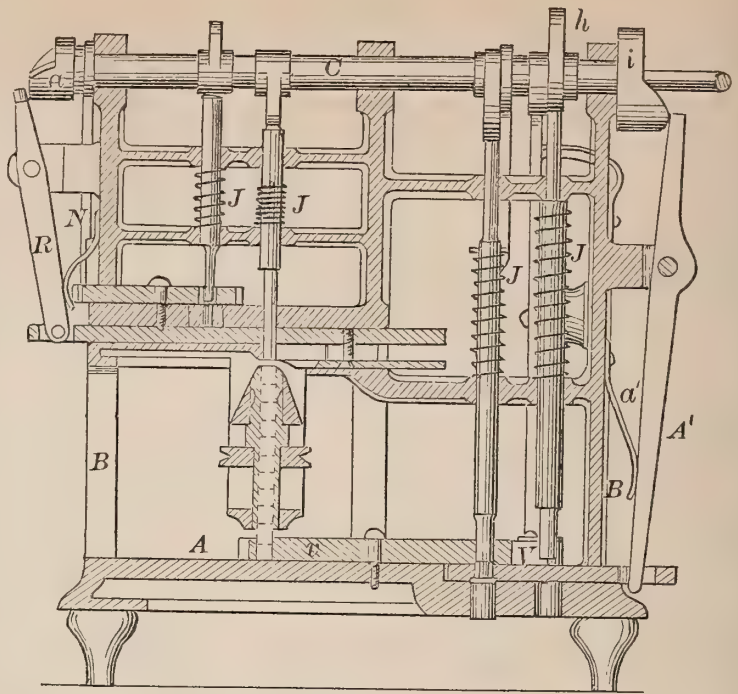




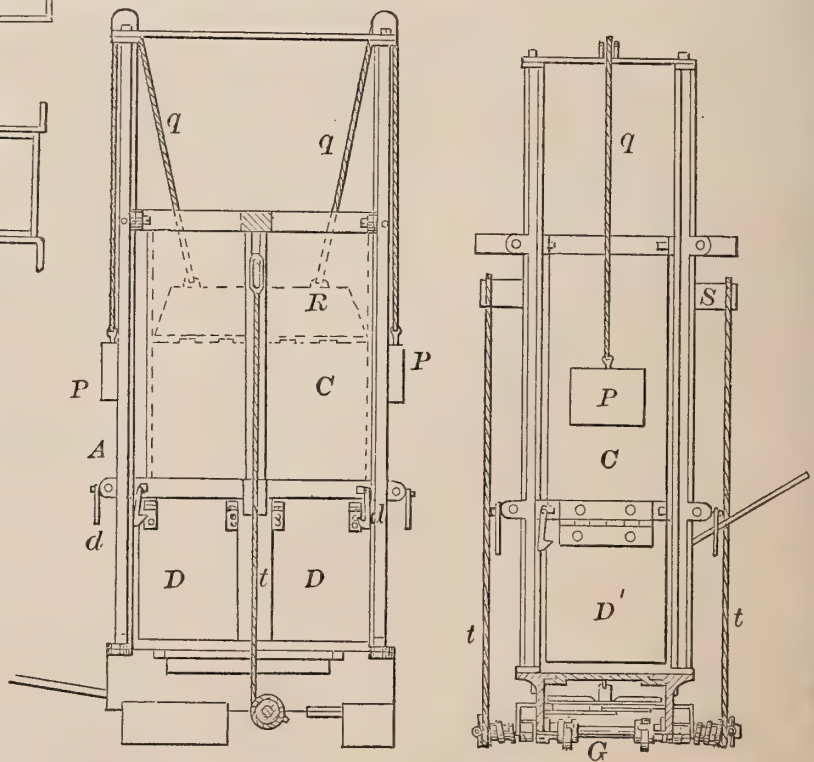
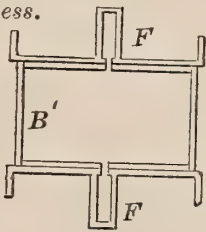
63914—Mason &amp; Johnson—Door Spring.



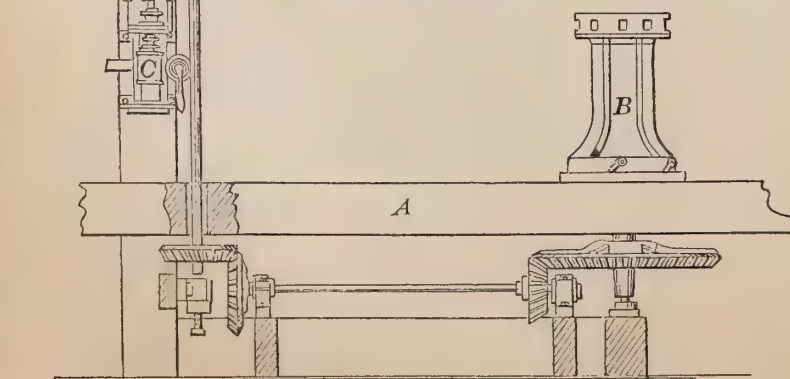
63915—W. A. McIntire—For Making Cartridge Shells.



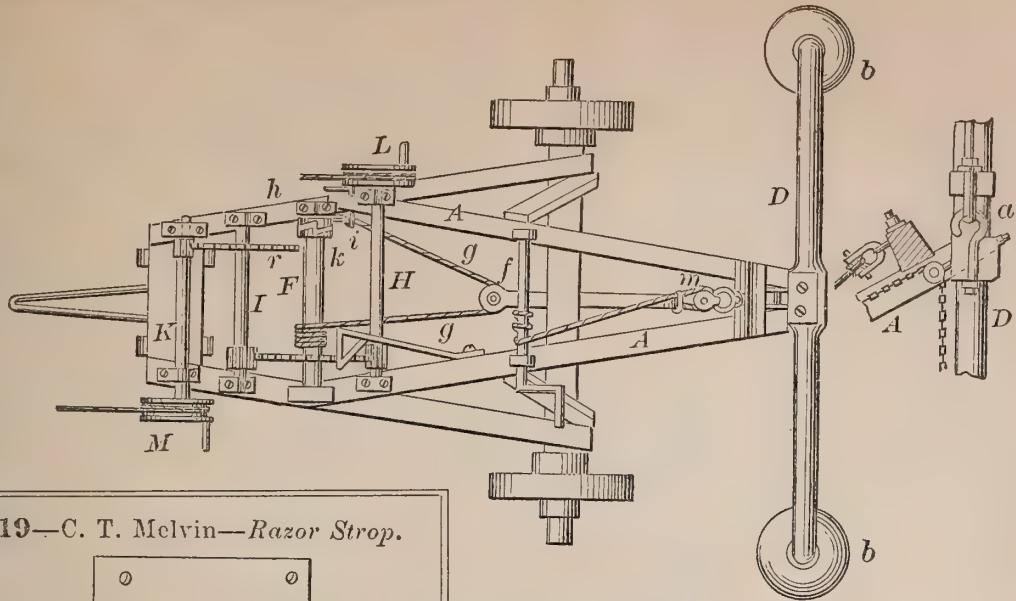
63916—J. W. McIntyre—Cotton Press.



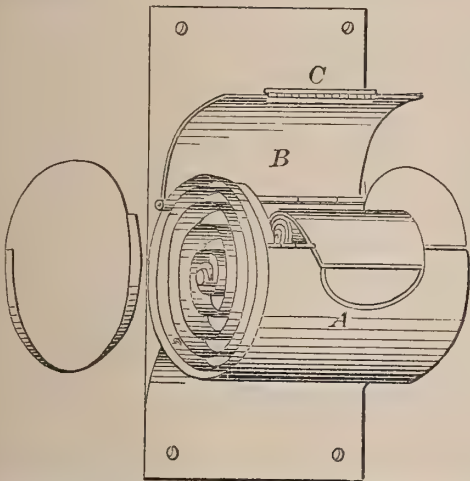
63917—J. S. McMillin—Application of Steam Power to Capstans.



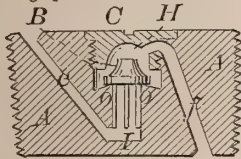
93918—M. Mellen—*Stump Extractor.*



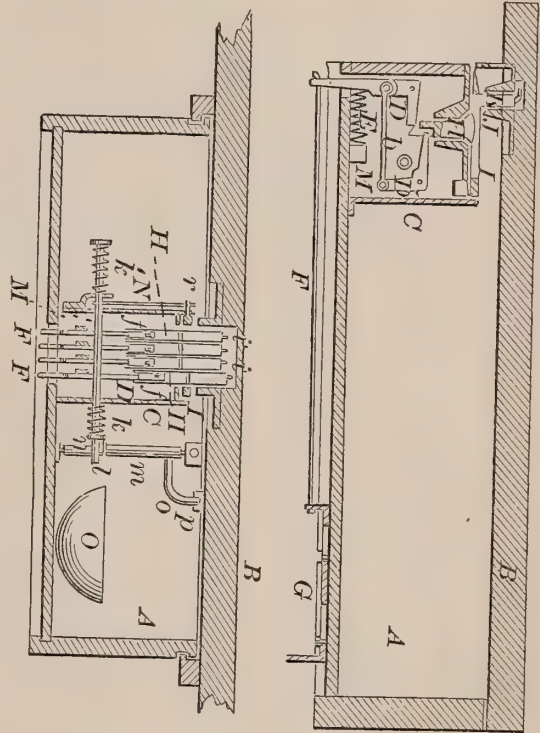
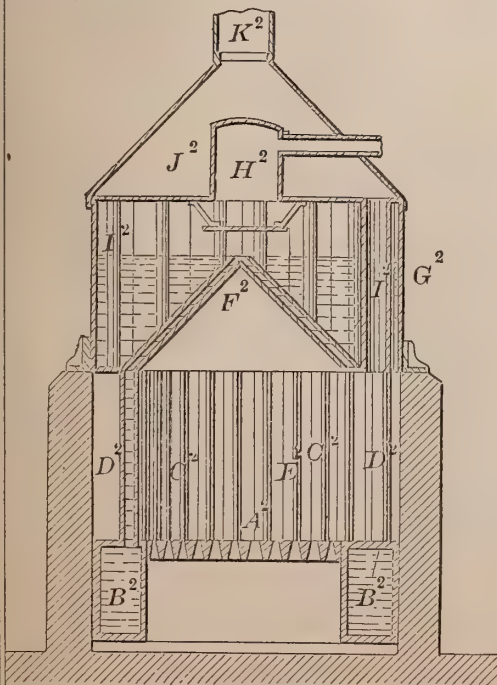
63919—C. T. Melvin—*Razor Strop.*



63920—J. B. Melvin—*Ventilating Bung for Casks, &c.*

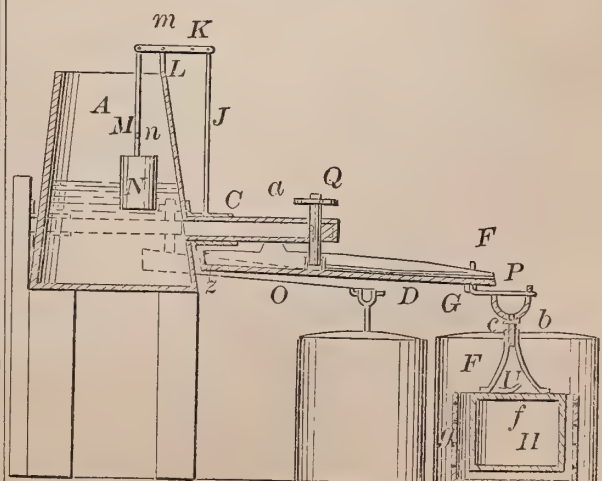


63923—J. A. Miller—*Steam Generator.*



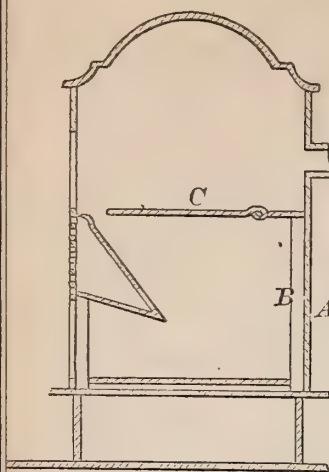
63922—D. K. Miller—*Alarm Lock for Tills.*

63925—S. A. Mitchell—*For Feeding Liquid to Evaporating Pans.*

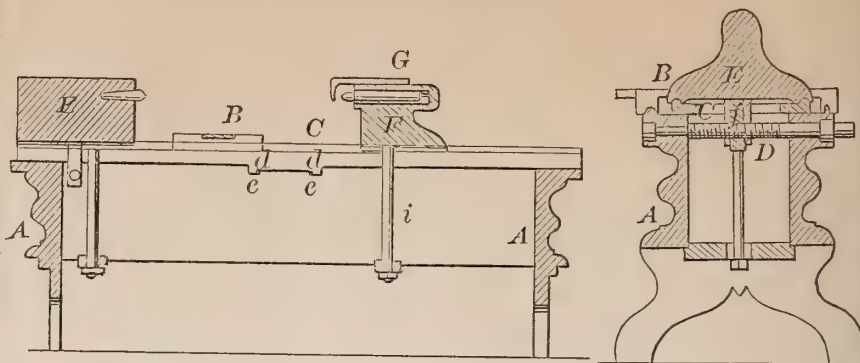




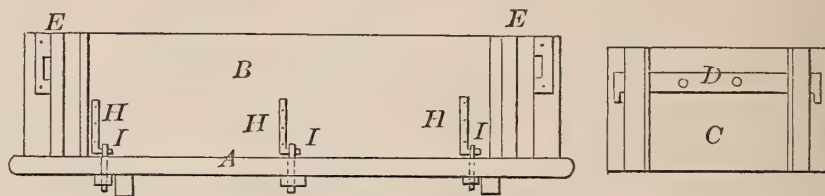
**63926**—G. R. Moore—*Coal Stove.*



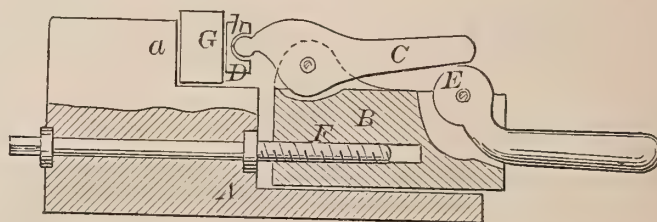
**63928**—H. L. Morse—*Turning Lathe.*



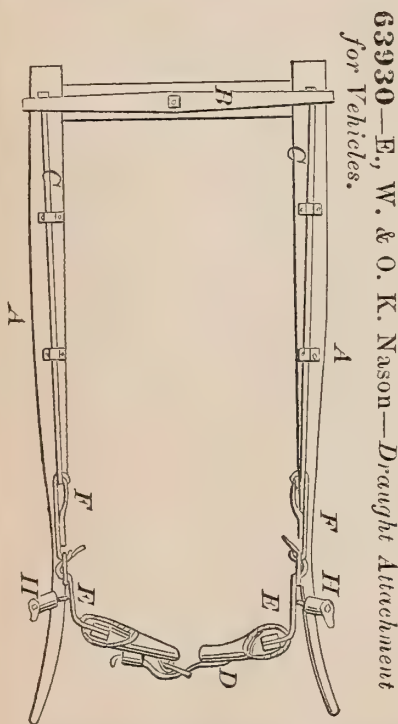
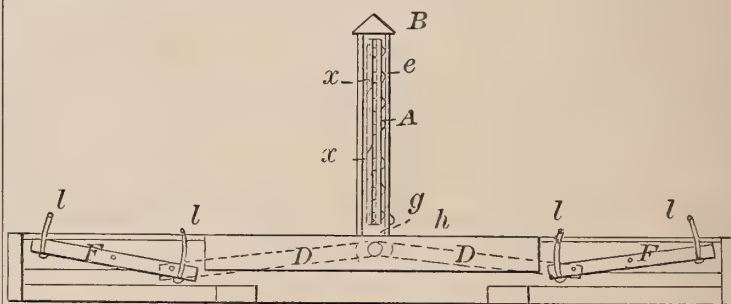
**63931**—G. W. Oviatt—*Wagon Box.*



**63929**—S. A. Morse—*Clamp.*

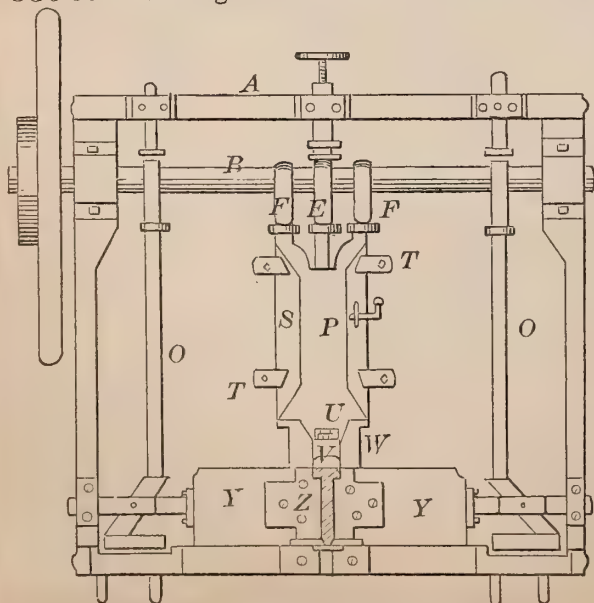


**63932**—C. H. Paine—*Gate.*

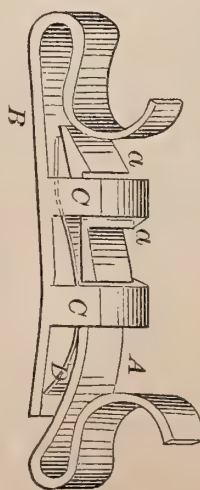


**63930**—E. W. & O. K. Nason—*Draught Attachment for Vehicles.*

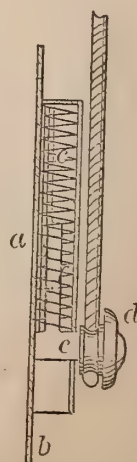
**63927**—J. Morgan, Jr.—*Bolt and Rivet Machine.*



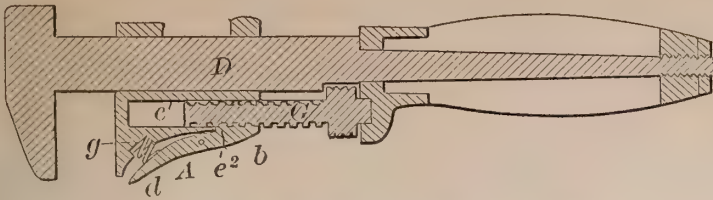
**63933**—W. W. Palmer—*Hame Fastener.*



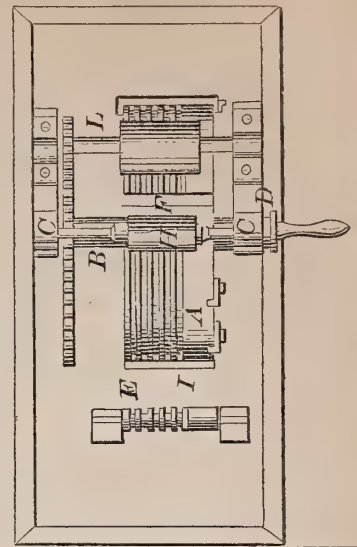
**63934**—C. C. Parker—*Curtain Fixture.*



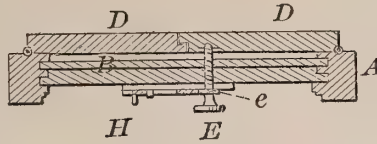
**63935**—J. A. Partridge—*Wrench.*



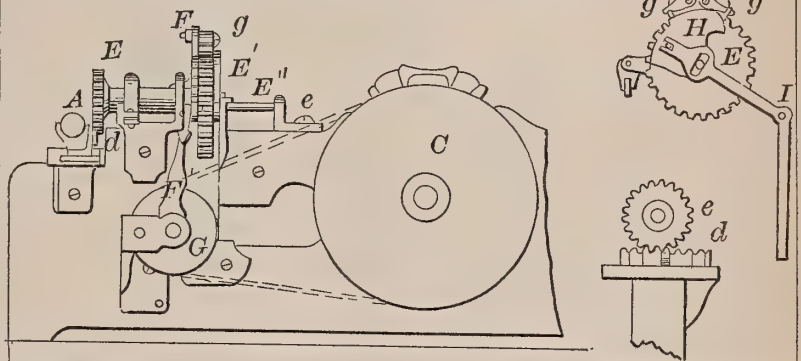
**63936**—Perkins & Gilbert—*For Making Hoop Skirts.*



**63938**—L. Pollock—*Sash and Blind Fastener.*



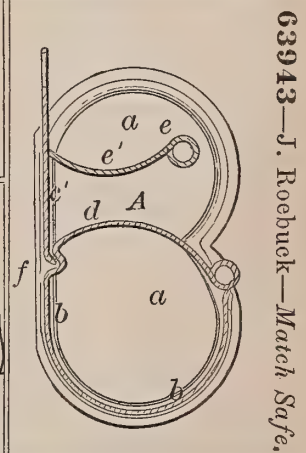
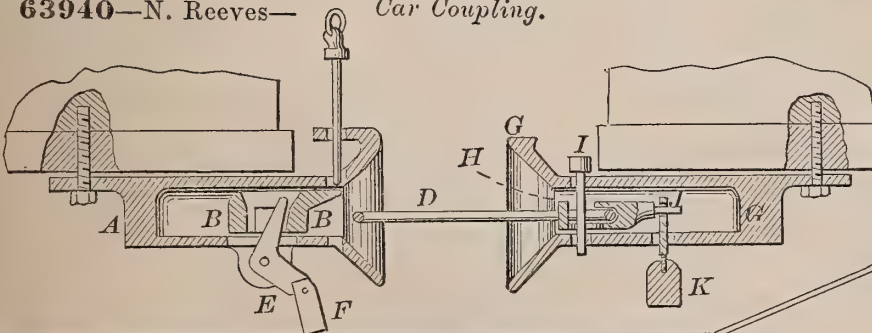
**63939**—E. O. Potter—*For Guiding Cloth.*



**63942**—R. Robinson—*Bottle Stopper.*

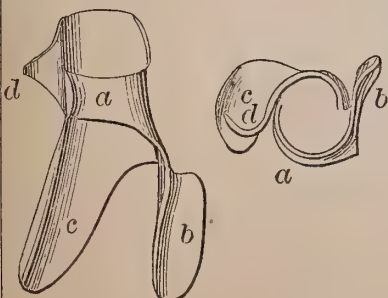


**63940**—N. Reeves—*Car Coupling.*

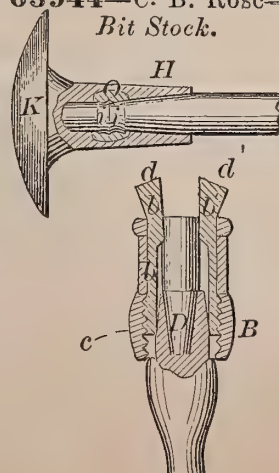


**63943**—J. Roebuck—*Match Safe.*

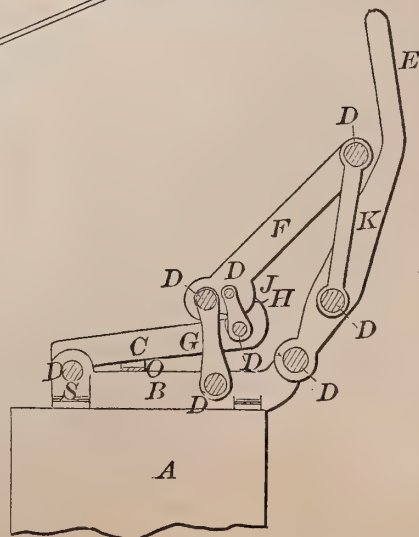
**63941**—A. C. Robinson—*Corn Husking Shield.*



**63944**—C. B. Rose—*Bit Stock.*

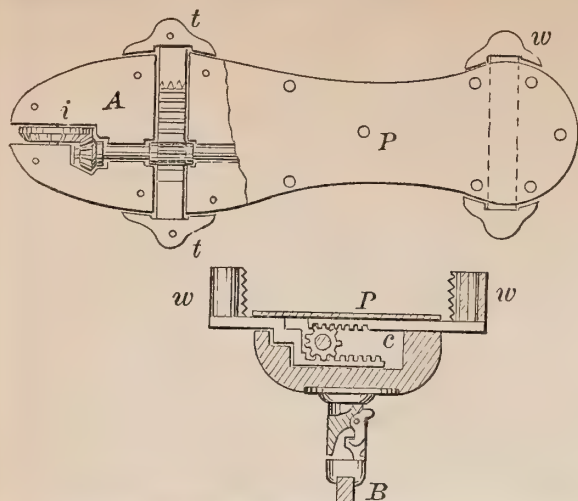


**63945**—J. J. Sandgren—*Lever Shears.*

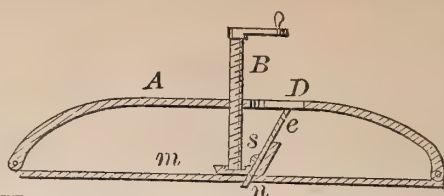




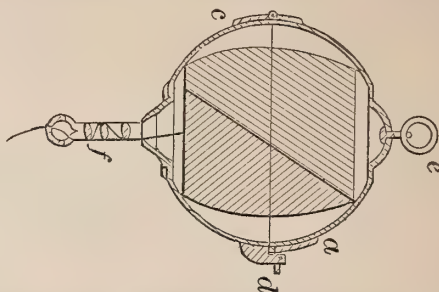
63946—H. W. Sanford—*Skate*.



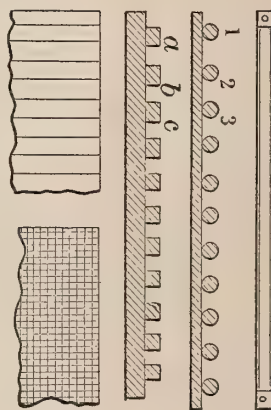
63948—C. H. Sawyer—*Bench Plane.*



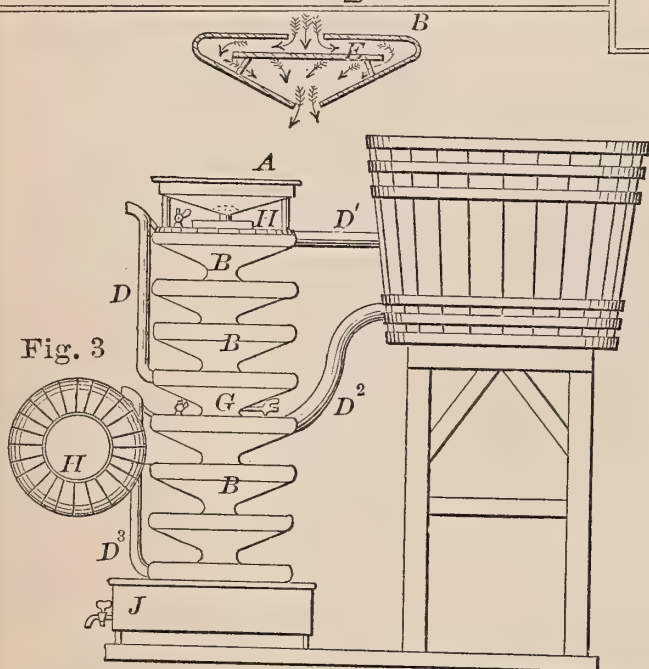
63950—F. J. Seymour—*Twine Holder*.



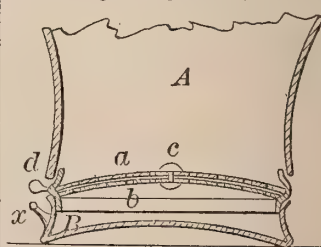
63951—J. Shinn—*Press Board for Oil Presses.*



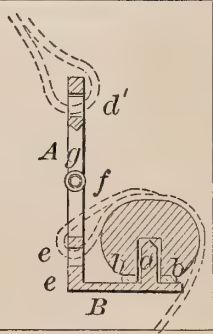
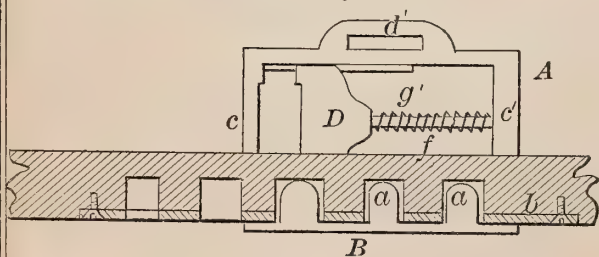
63947—A. W. & J. Sangster—*Beer Cooler*.




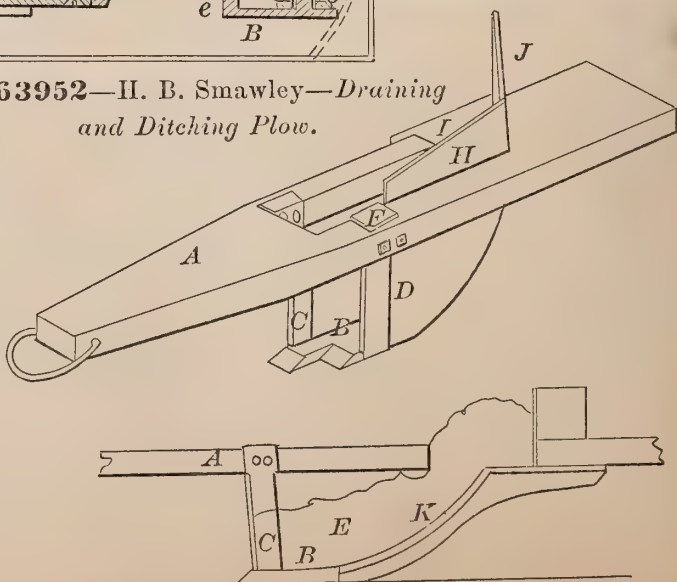
63953—G. D. Smith—  
*Coal Scuttle.*



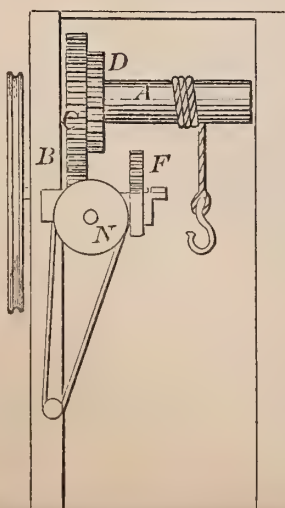
63954—G. Smith—*Draft Plate.*



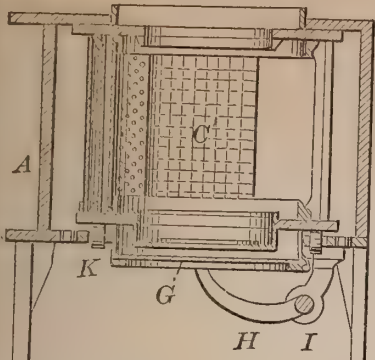
**63952**—H. B. Smawley—*Draining and Ditching Plow.* 



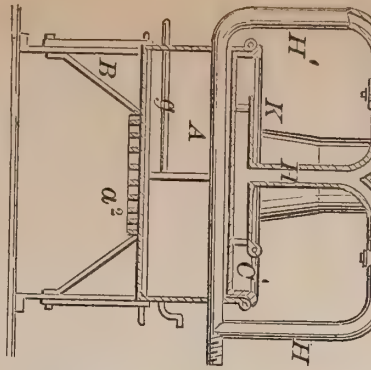
63955—H. M. Smith—*Hoisting Machine.*



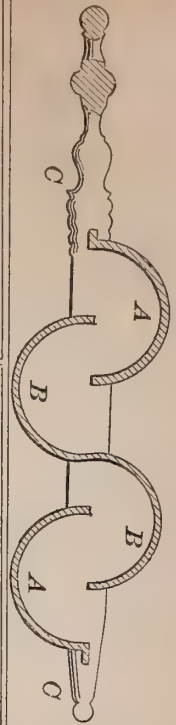
63956—S. Smith—Furnace  
Fire Chamber.



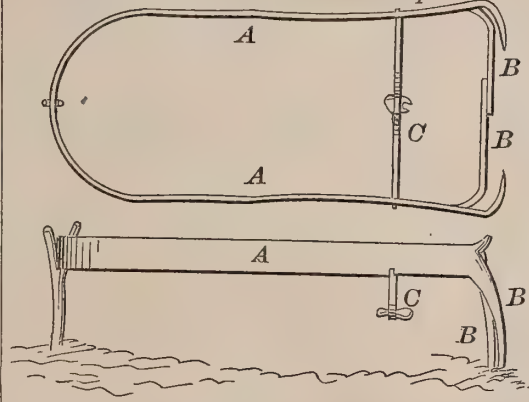
63957—G. L. Squier—  
Evaporator for Saccharine  
Juices, J'.



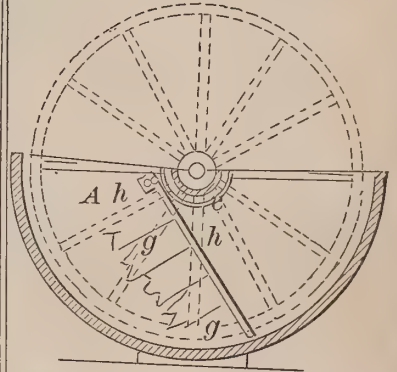
63959—Stevens & Puffer—Stove Pipe Damper.



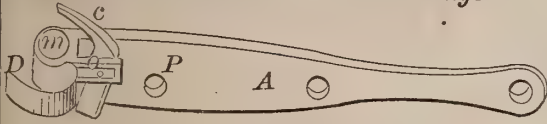
63961—J. Teed—Animal Trap.



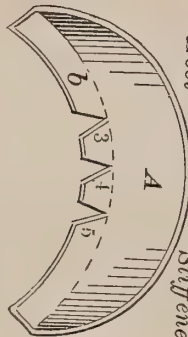
63960—W. T. Sweet—For  
Washing Carriage Wheels.



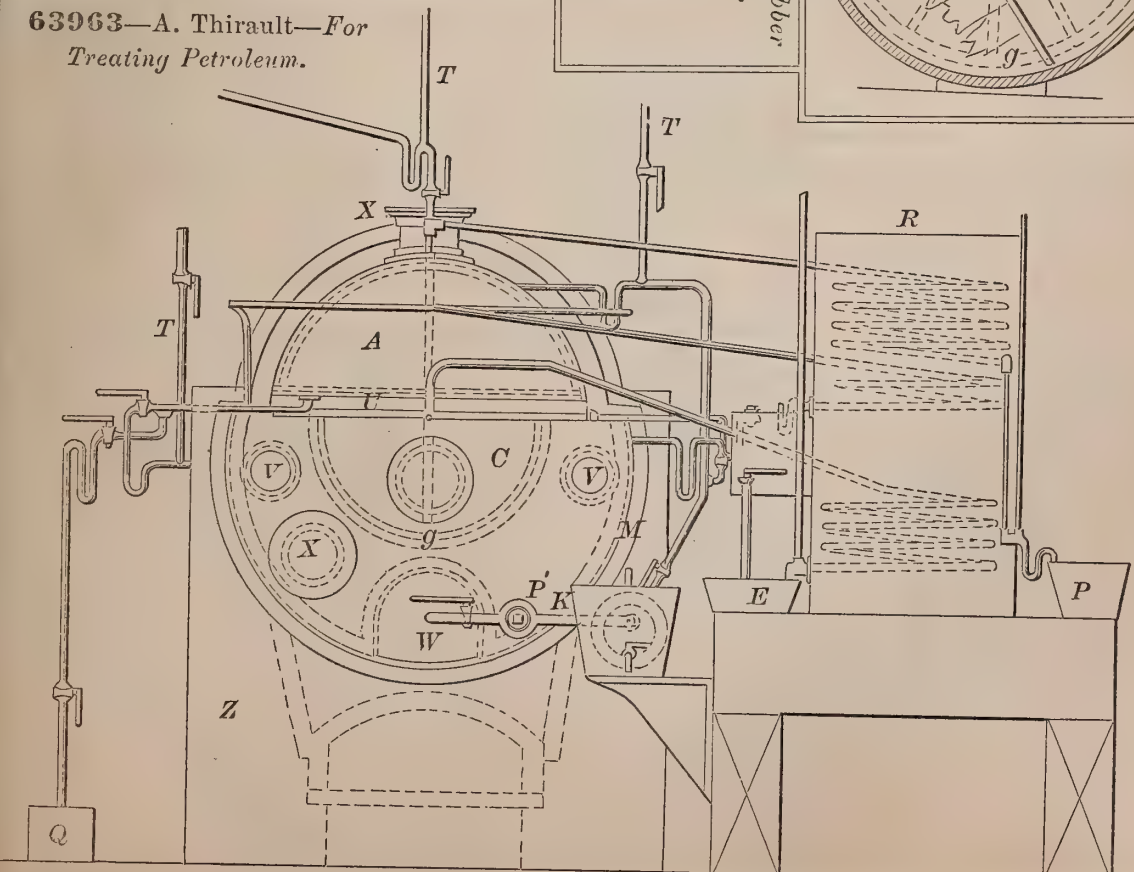
63962—E. L. Tevis—Shutter Hinge.



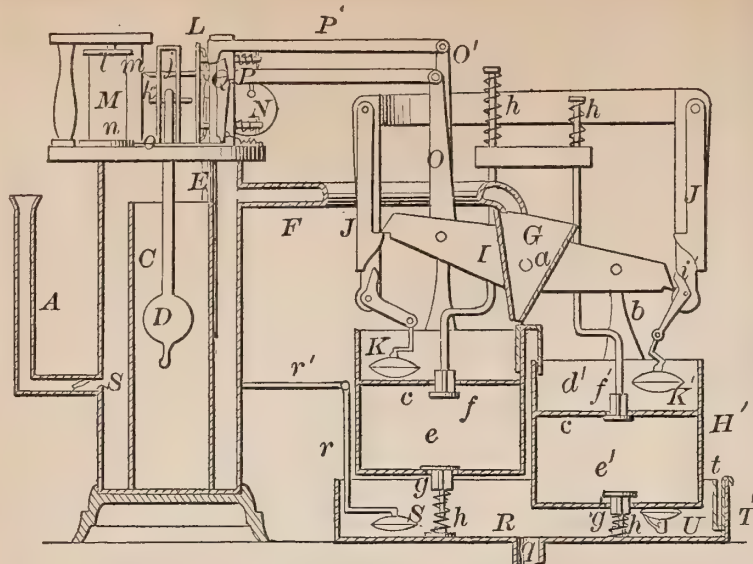
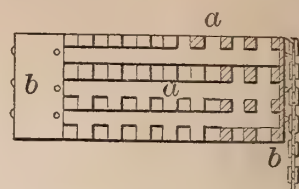
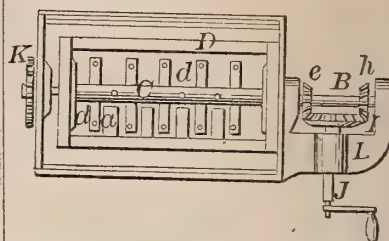
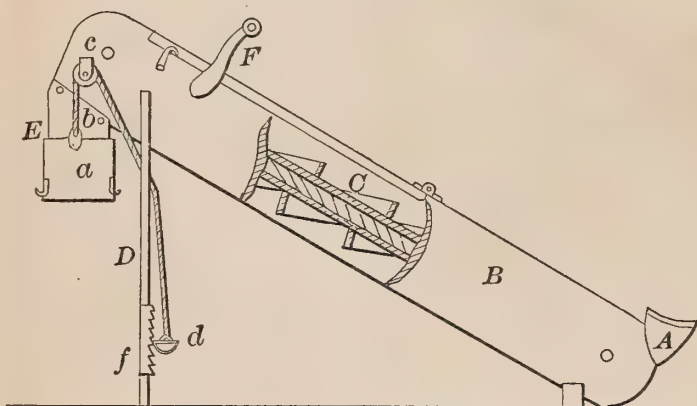
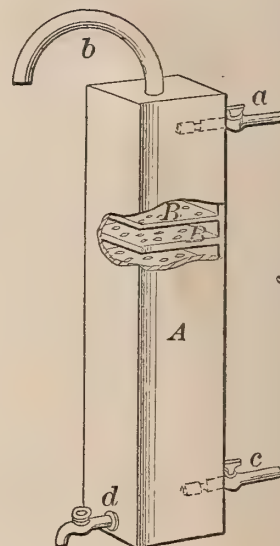
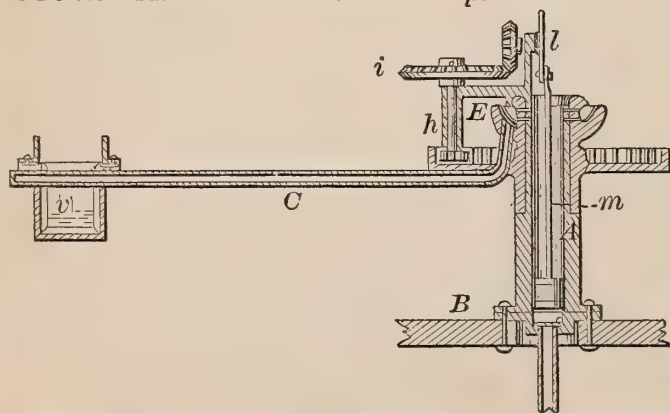
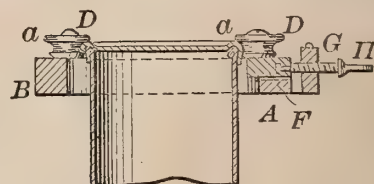
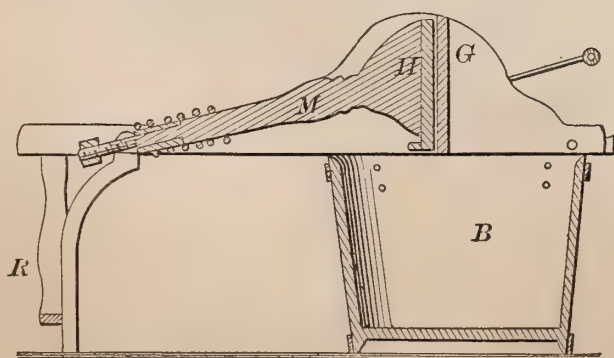
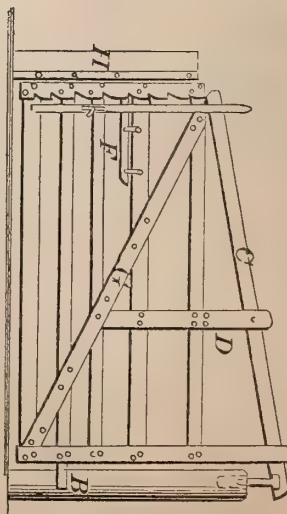
63958—E. M. Stevens—Rubber  
Heel  
Stiffener.



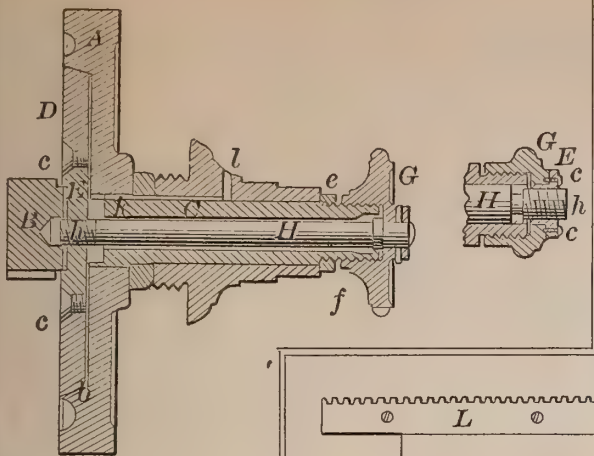
63963—A. Thirault—For  
Treating Petroleum.



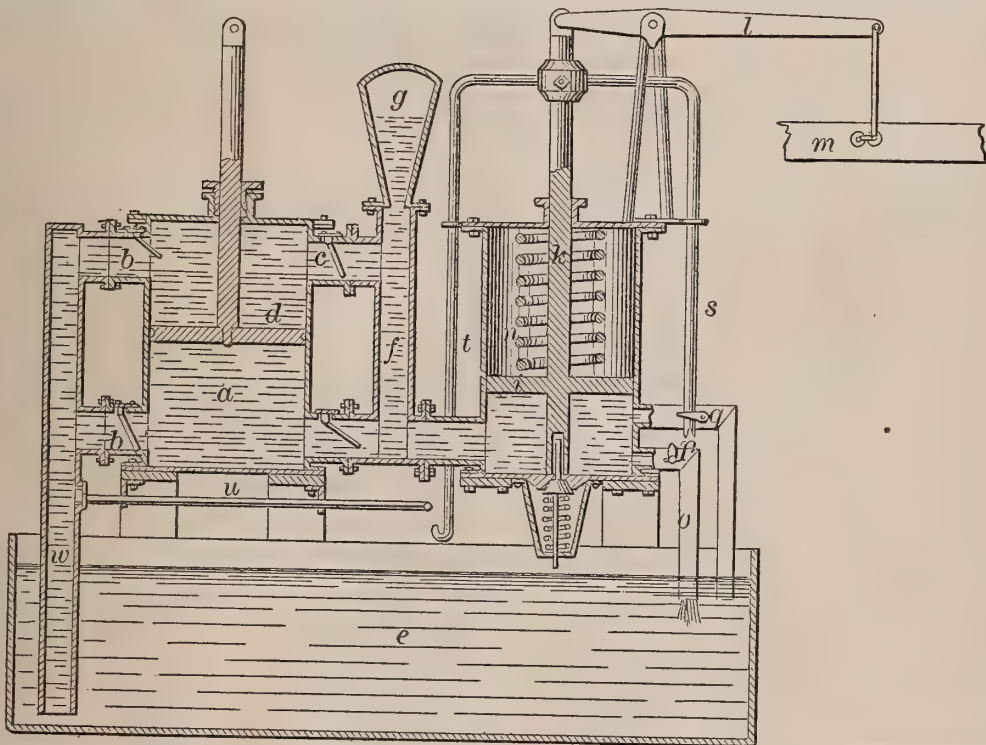
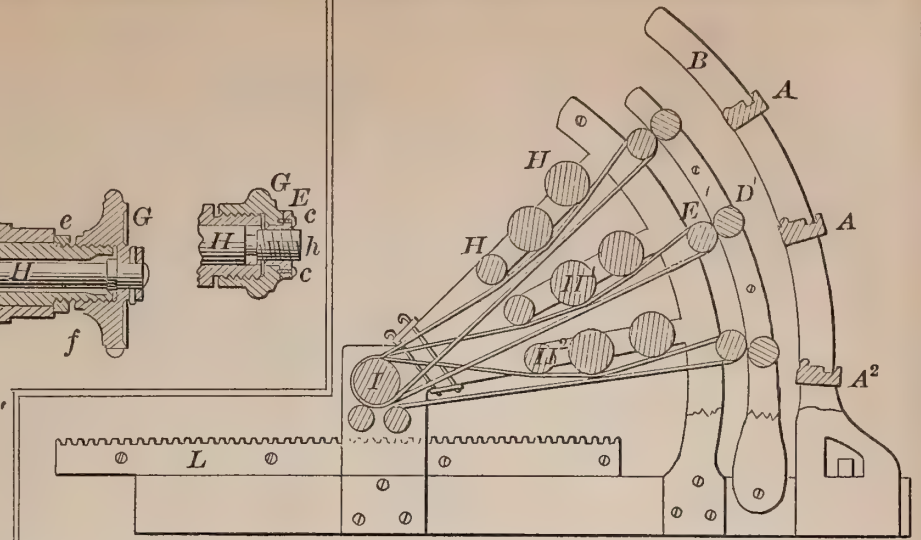


**63964**—I. P. Tice—*Spirit Meter.***63968**—P. Voorhis—*Obstructing Ice in Rivers and Harbors.***63969**—T. A. Warren—*Churn.***63967**—P. V. Lackum—*For Sacking Grain.***63970**—G. Waters—*Purifying Mash for Vinegar.***63972**—M. D. Wilder—*Cattle Pump.***63971**—P. Weck—*Seaming Tool.***63973**—Wilkins & Straw—*Mop Squeezer.***63974**—H. S. Wolf—*Gate.*

63977—S. C. Wright—*Friction Clutch.*

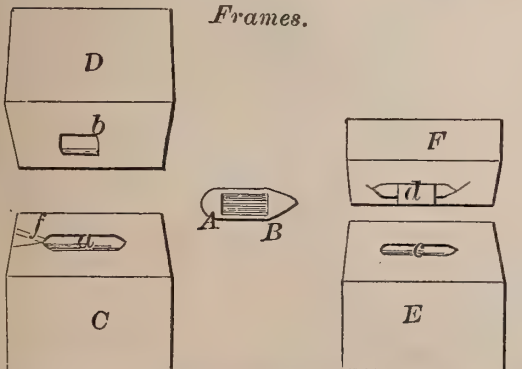


63975—G. W. Wood—*Inking Apparatus.*

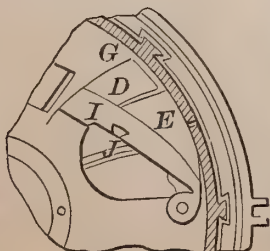
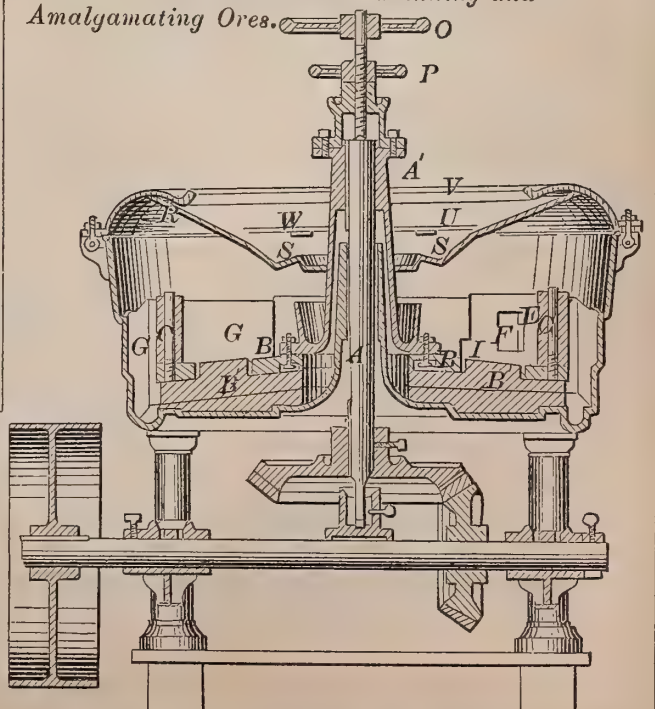


63976—J. Wood—*Steam Engine Governor.*

63978—C. E. Billings—*Die for Shuttle Frames.*

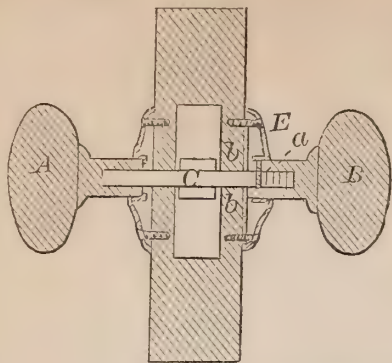


63979—P. Hinkle—*For Grinding and Amalgamating Ores.*

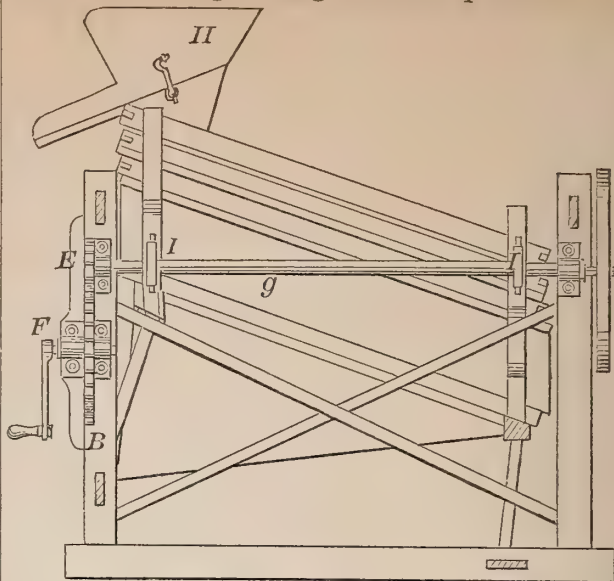




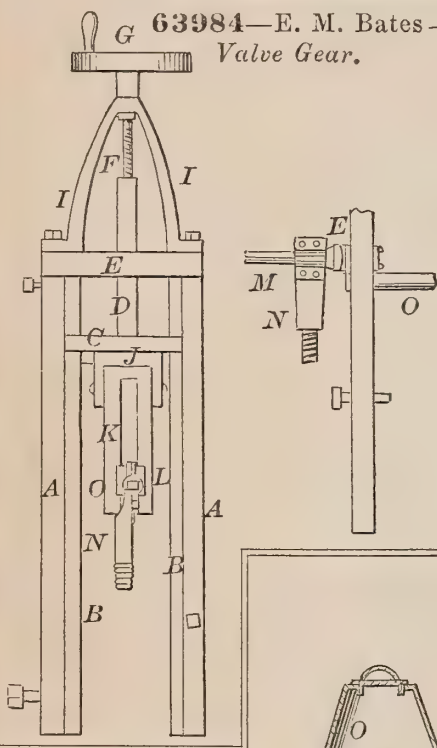
**63980**—W. H. Andrews—*Attaching  
Knobs to Door Latches.*



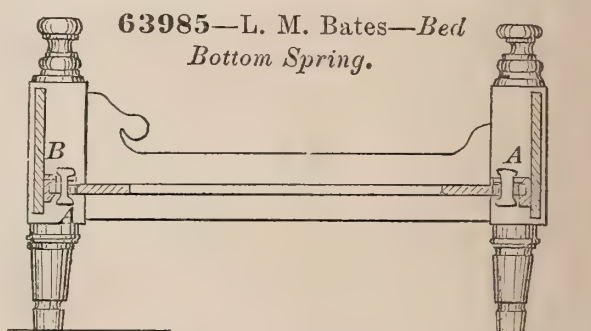
**63981**—G. Aughinbaugh—*Gold Separator.*



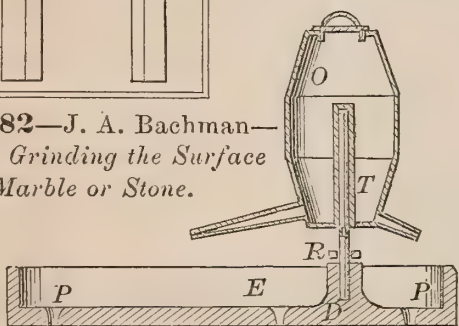
**63984**—E. M. Bates—*Valve Gear.*



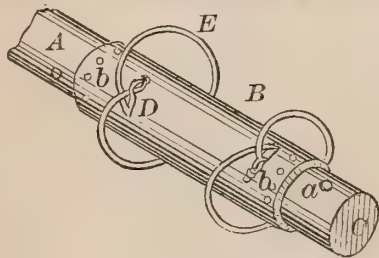
**63985**—L. M. Bates—*Bed  
Bottom Spring.*



**63982**—J. A. Bachman—*For Grinding the Surface  
of Marble or Stone.*

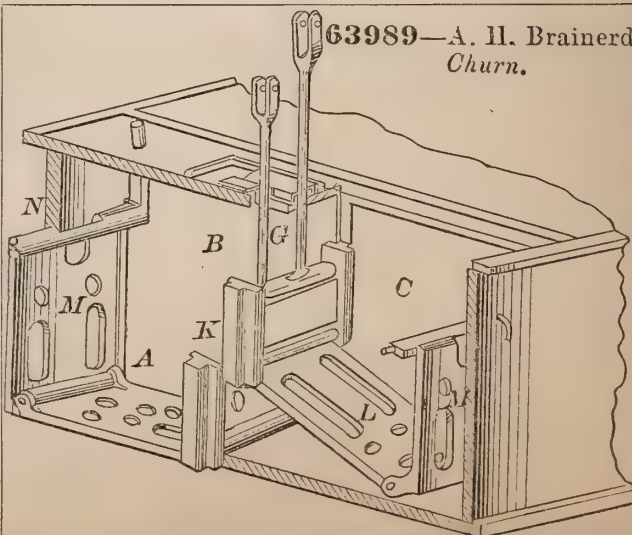


**63983**—H. Barker—*Broom Head.*

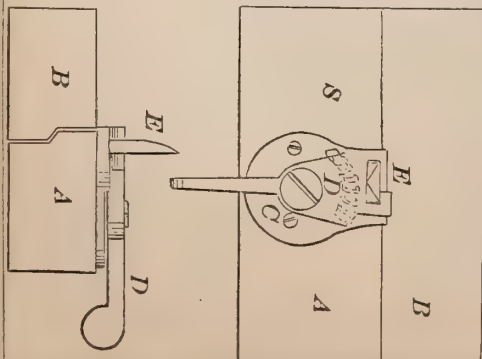


**63986**—G. H. Bechtel—*Ice Pitcher.*

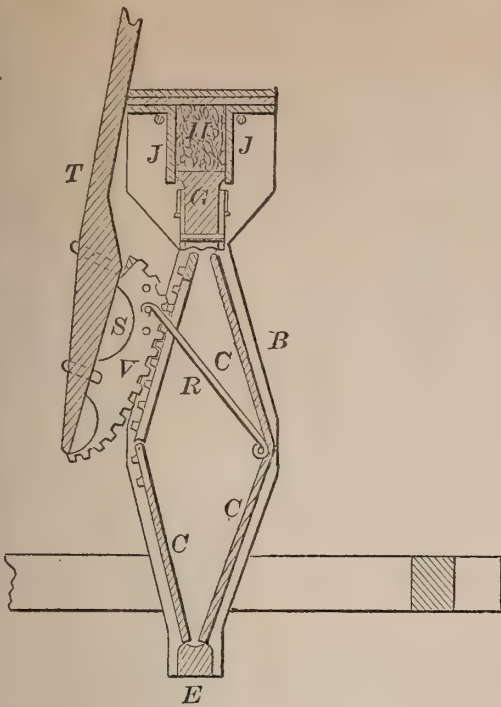
**63989**—A. H. Brainerd—*Churn.*



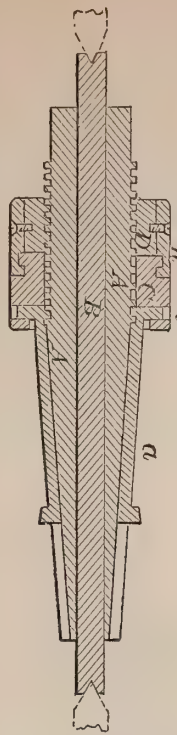
**63988**—A. Bingham—*Window Latch.*



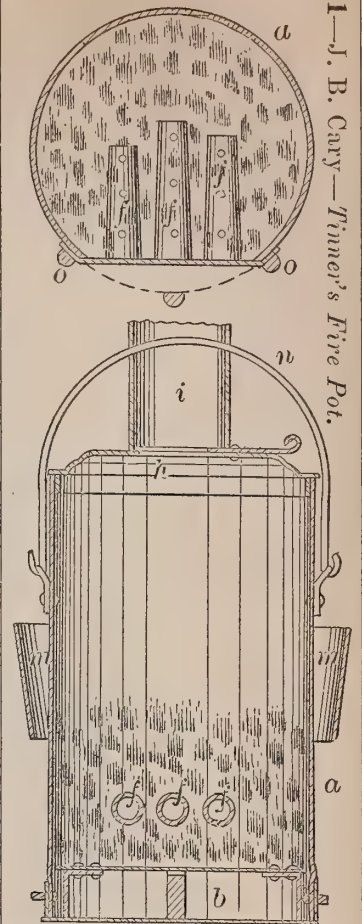
63990—R. Brunson—*Brick Press.*



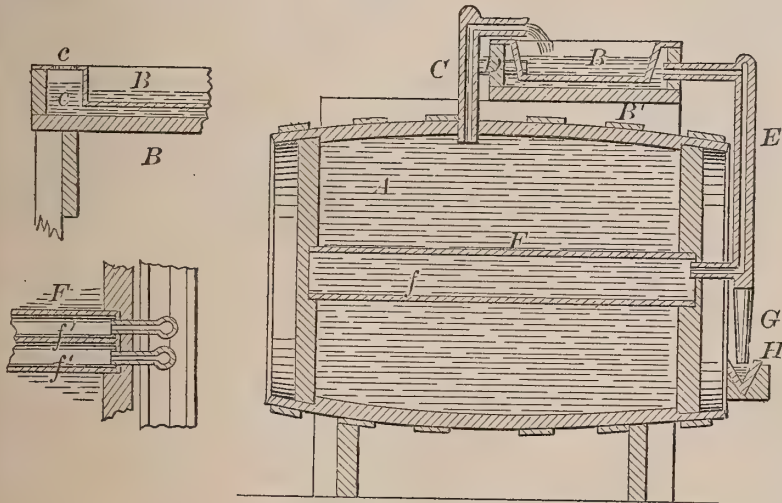
63992—J. C. Chapman—*Boring Tool.*



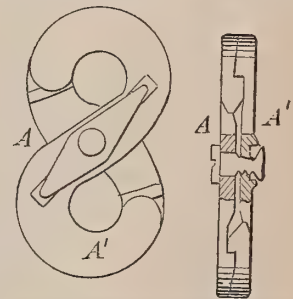
63991—J. B. Cary—*Turner's Fire Pot.*



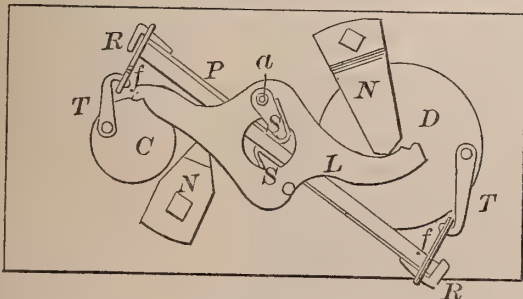
63994—C. Clifford—*Brewing Ale.*



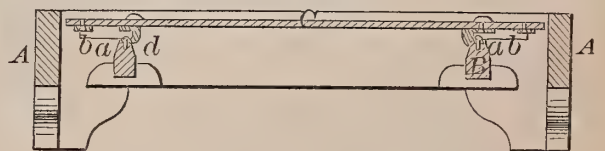
63996—R. Kreuzbaur—*Connecting Link and Hook.*



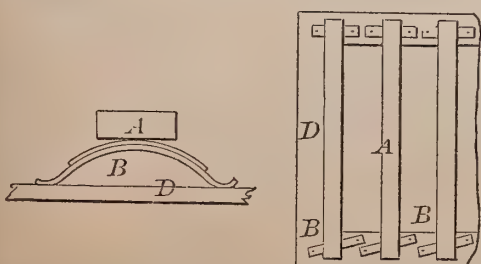
63997—J. A. Dann—*Wood Bending Machine.*



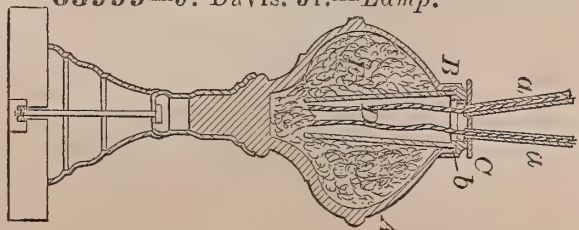
63998—J. & S. Danner—*Bed Bottom.*



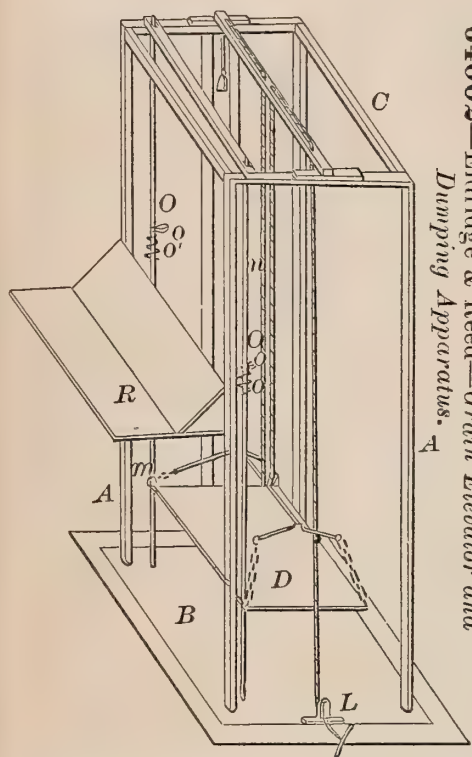
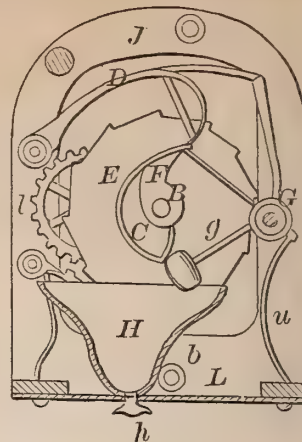
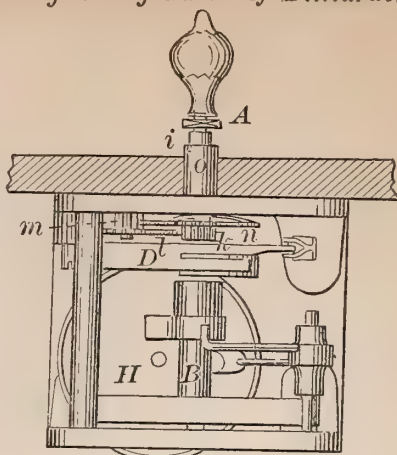
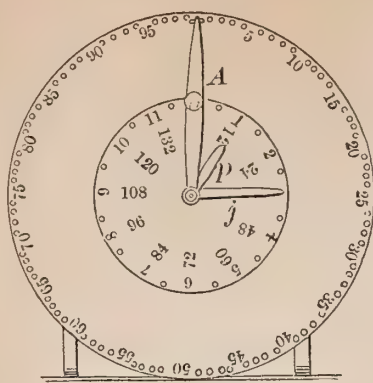
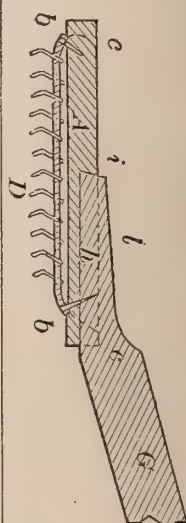
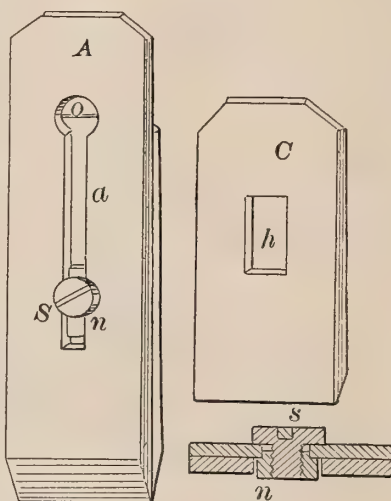
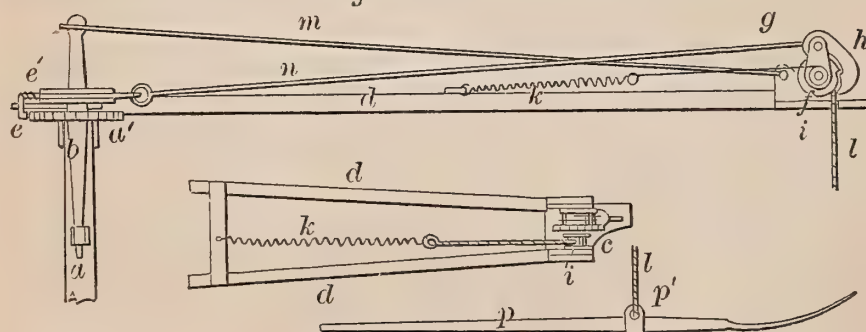
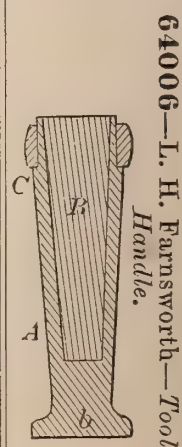
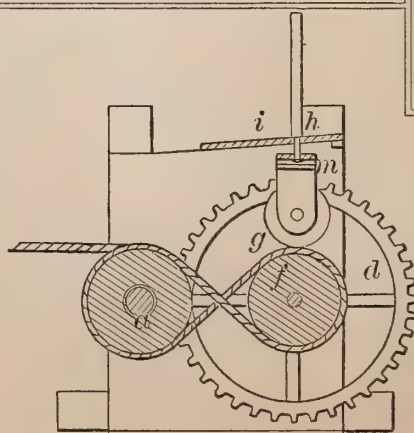
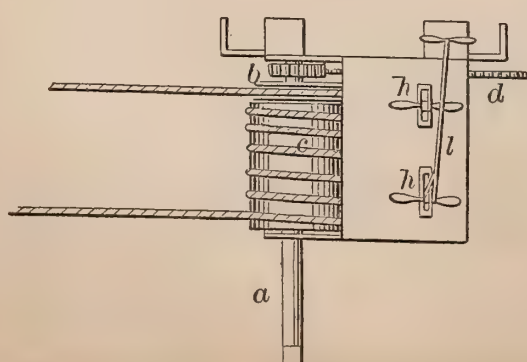
63993—H. M. Clark—*Bed Bottom.*



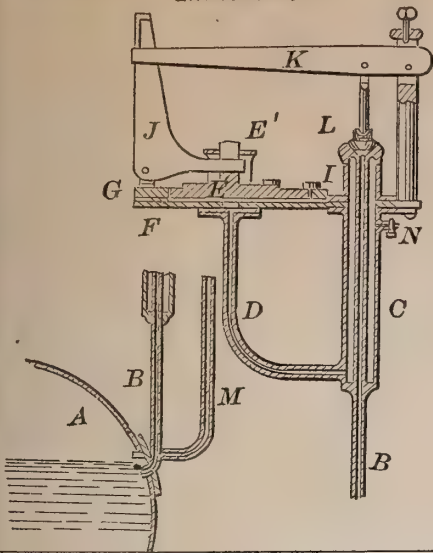
63999—J. Davis, Jr.—*Lamp.*



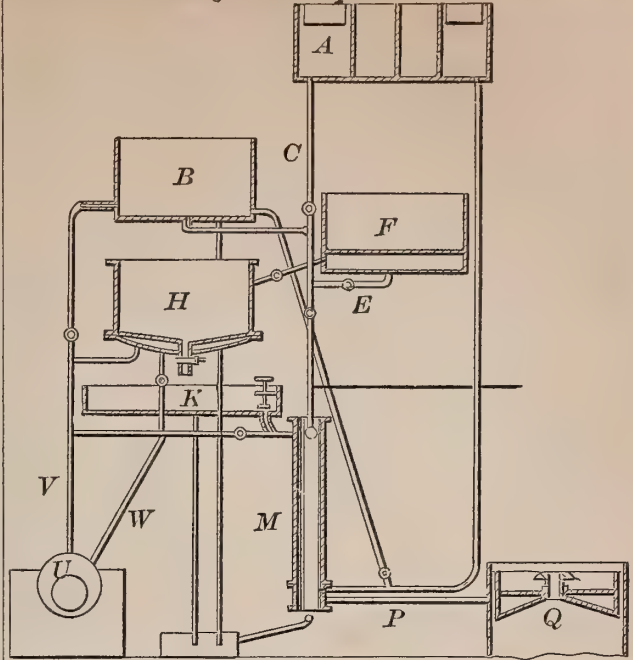


64000—Earl & Hawley—*For Registering Games of Billiards.*64002—Eldridge & Reed—*Grain Elevator and Dumping Apparatus.*64001—W. H. Eckert—*Plane Iron.*64004—G. F. Ellis—*Hand Card.*64003—W. H. Elliot—*Hay Loader.*64005—R. H. Emerson—*Windlass.*64006—L. H. Farnsworth—*Tool Handle.*

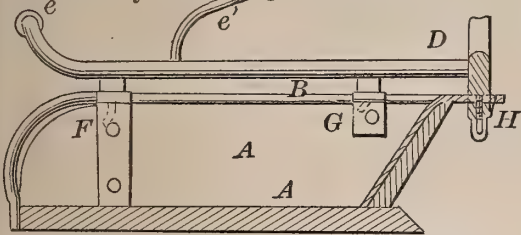
**64007**—L. Fulton—*Low Water Indicator.*



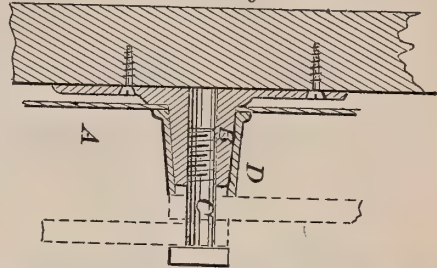
**64011**—Haigh & Robertson—*For Boiling, Cooling and Fermenting Malt Liquors.*



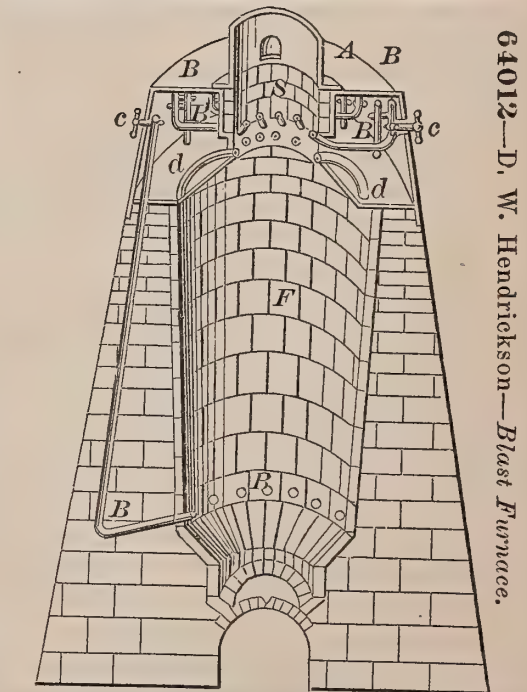
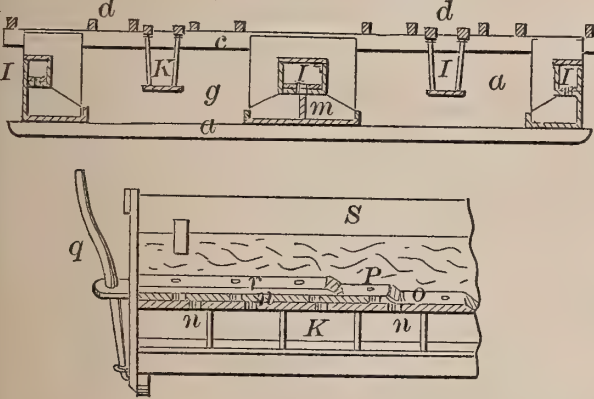
**64008**—F. Baumgartner—*Shifting Rail for Carriage Seats.*



**64010**—R. S. Grummon—*Top Prop for Carriages.*

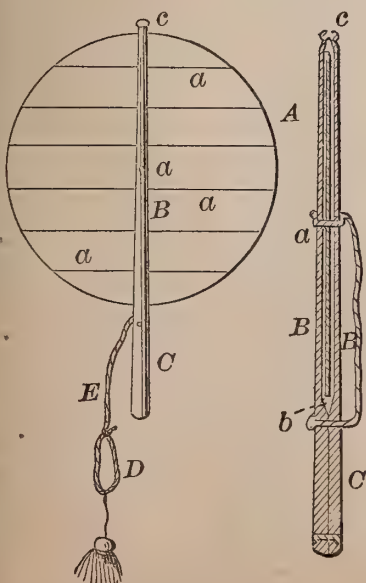


**64009**—D. Gray—*Sheep Rack and Shelter.*

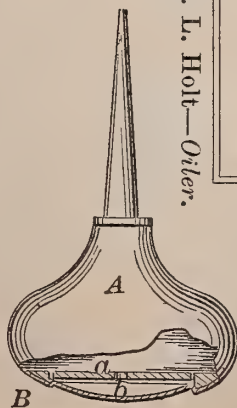


**64012**—D. W. Hendrickson—*Blast Furnace.*

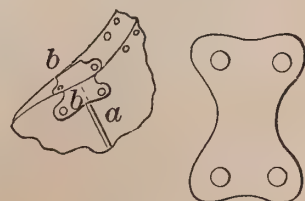
**64013**—L. Hill—*Fan.*



**64014**—G. L. Holt—*Oiler.*

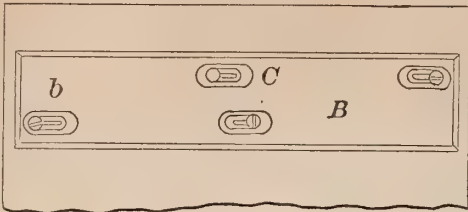


**64015**—G. Houghton—*Shoe.*

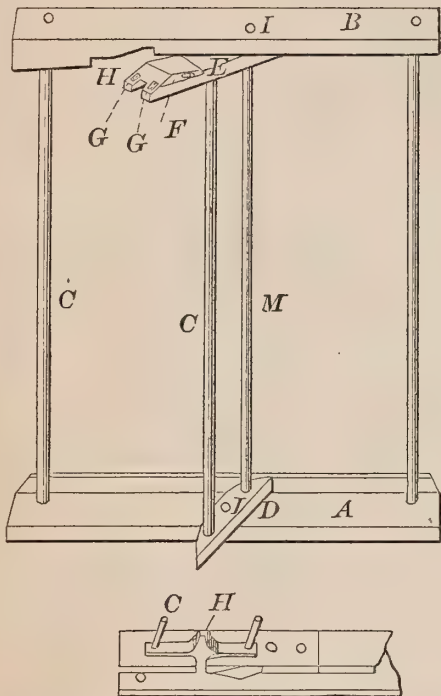




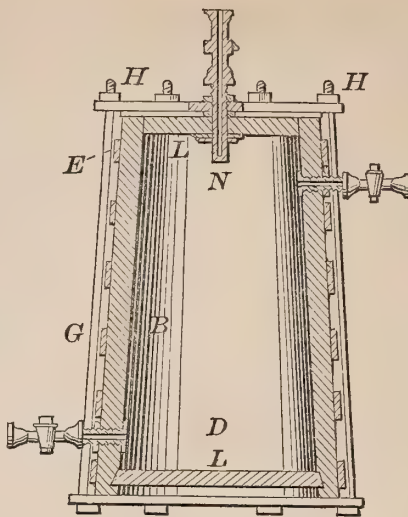
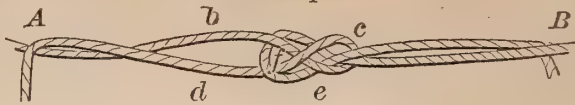
**64016**—S. Land—*Self-Acting Eyelet Batten.*



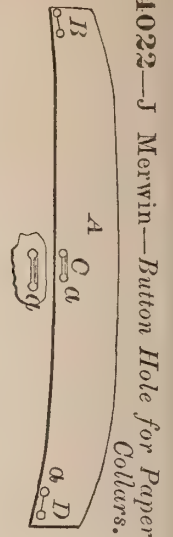
**64017**—J. Manley—*Cattle Stanchion.*



**64018**—M. F. Maury—*Fastening Wire or Wire Rope.*

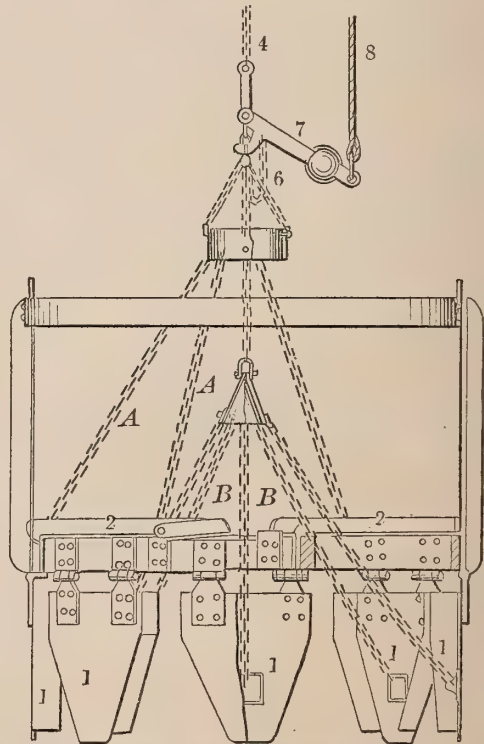


**64019**—G. McCoy—*Aerated Water.*

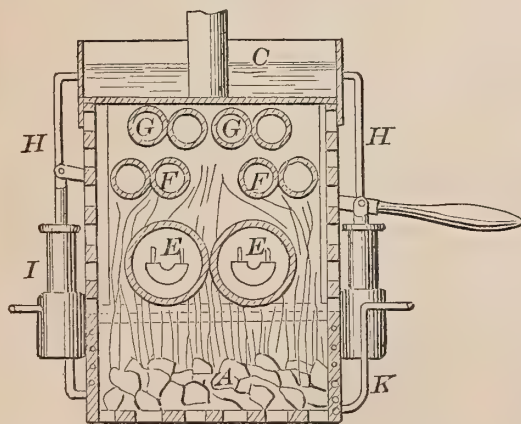


**64022**—J. Merwin—*Button Hole for Paper Collars.*

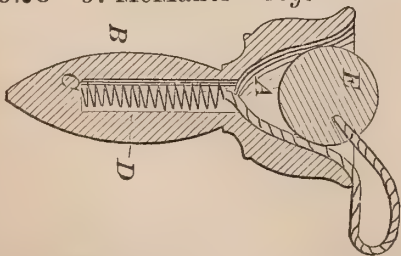
**64023**—J. Milroy—*Excavator.*



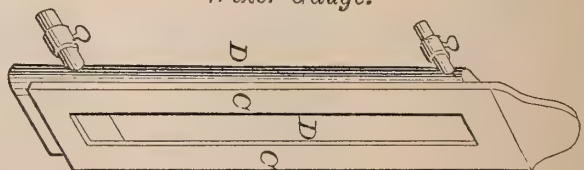
**64021**—Merriam & Allen—*Steam Generator.*



**64020**—J. McMabel—*Toy.*



**64025**—G. T. Parry—*Steam Generator Water Gauge.*

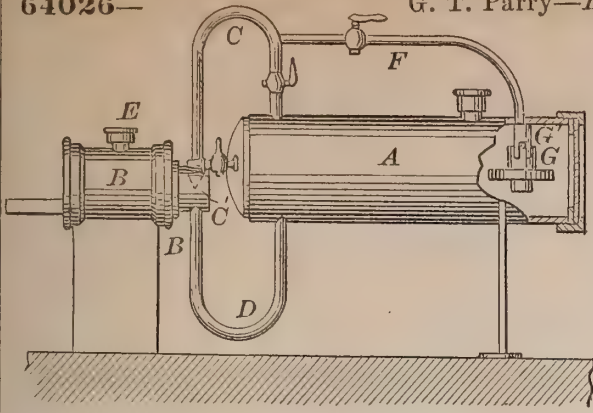


**64024**—F. B. Morse—*Joint for Carriage Top Braces.*



64026—

G. T. Parry—Boiler Feeder.



64028—W. Peck—Cooling Milk.

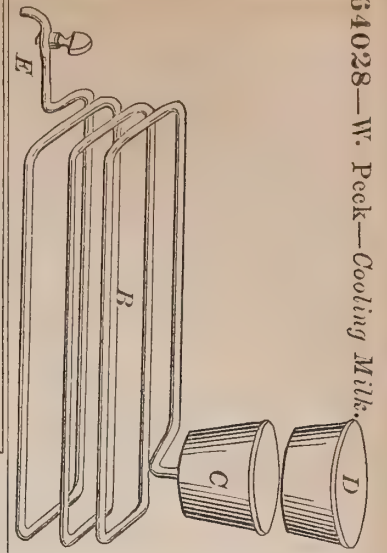
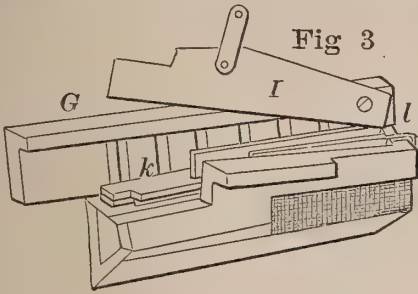
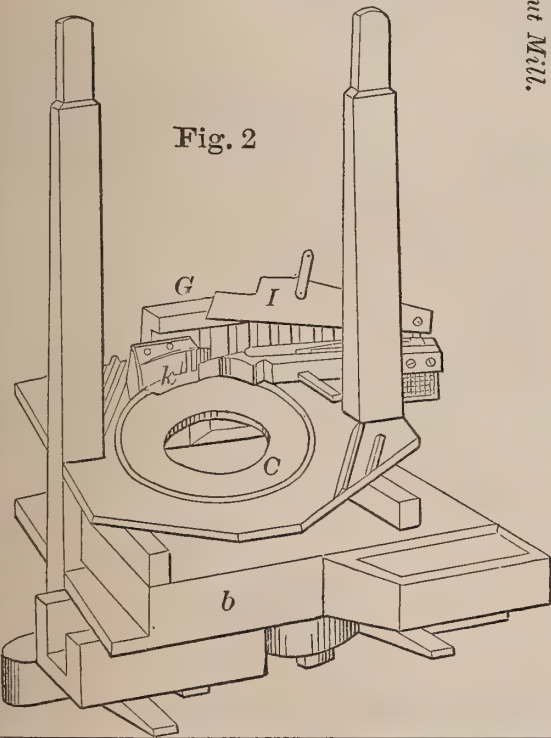


Fig 3

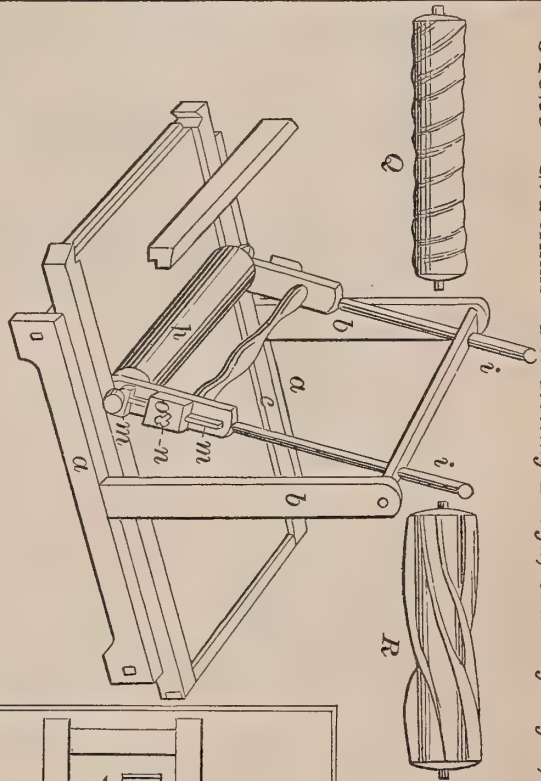


64027—D. Pease—Snout Mill.

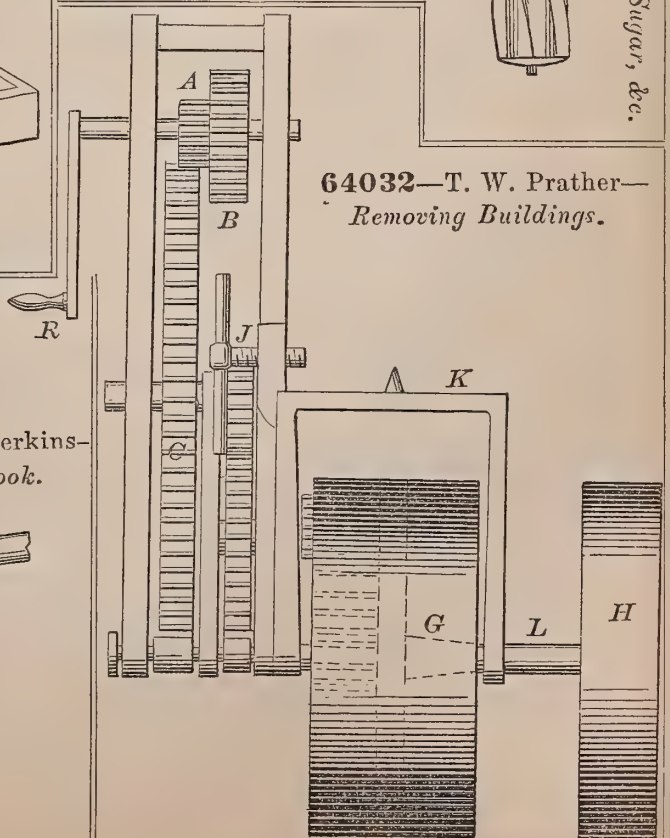
Fig. 2



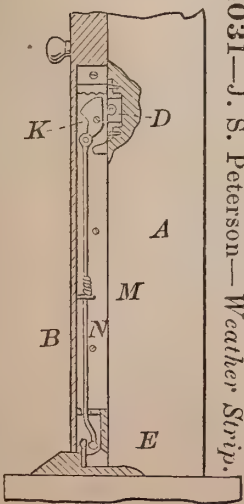
64029—G. Perkins—For Rolling Dough, Crushing Sugar, &c.



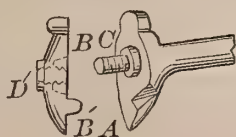
64032—T. W. Prather—  
Removing Buildings.



64031—J. S. Peterson—Weather Strip.



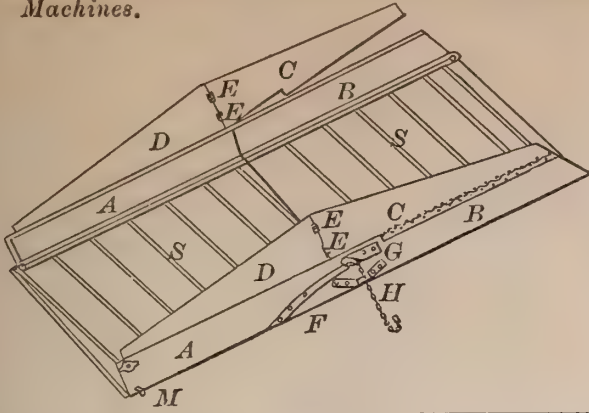
64030—S. M. Perkins—  
Whiffletree Hook.



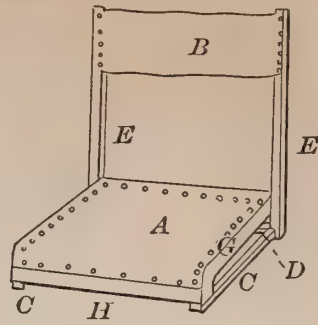




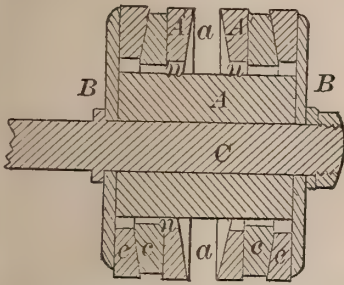
**64041**—B. C. Smith—*Side Board for Threshing Machines.*



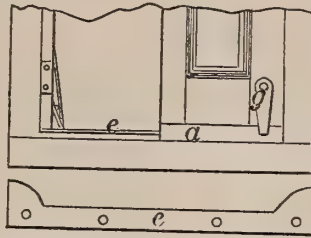
**64044**—M. L. Smith—*Seat and Back.*



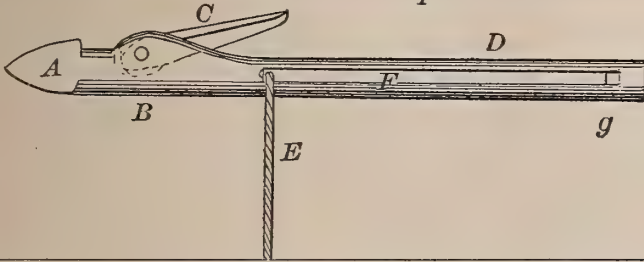
**64043**—J. Y. Smith—*Steam Engine Piston.*



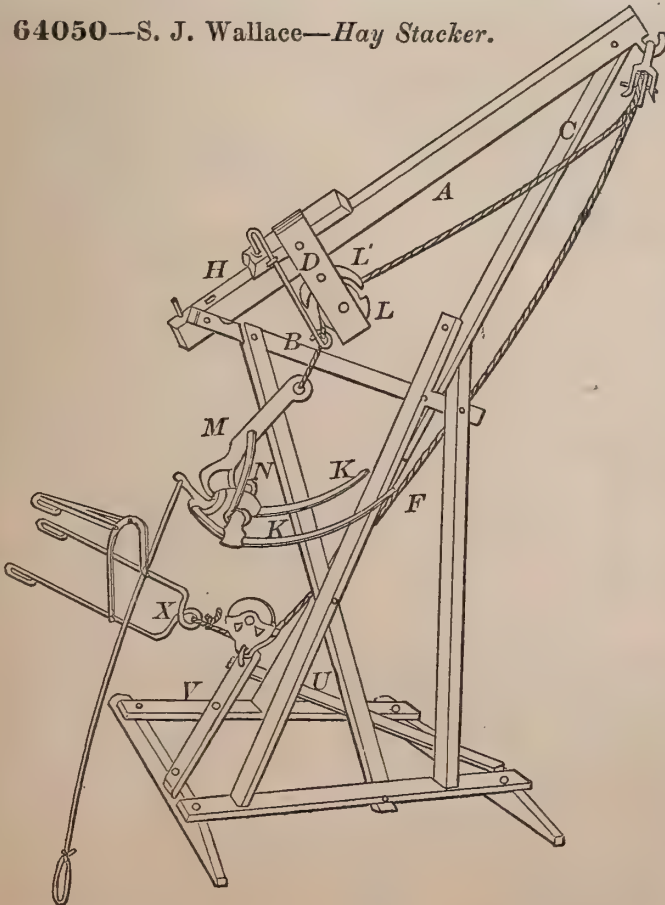
**64042**—G. W. Smith—*Weather Strip.*



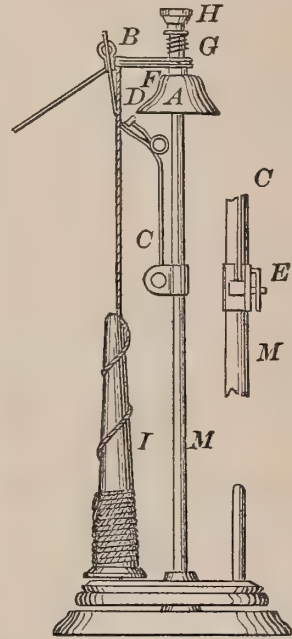
**64045**—R. E. Smith—*Gun Harpoon.*



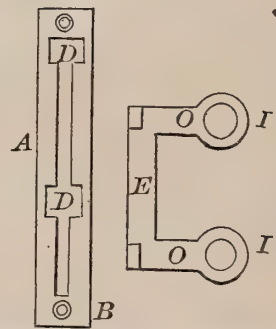
**64050**—S. J. Wallace—*Hay Stacker.*



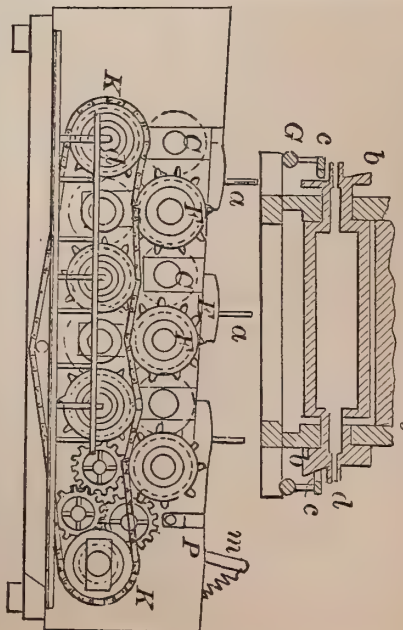
**64046**—J. F. Steward—*Knitting Machine.*



**64048**—Sugg & Metz—*Bedstead Fastening.*

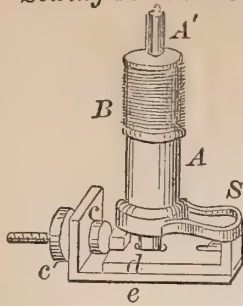


**64049**—J. Walber—*For Felling Hat Bodies.*

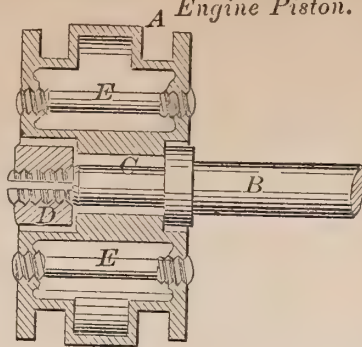




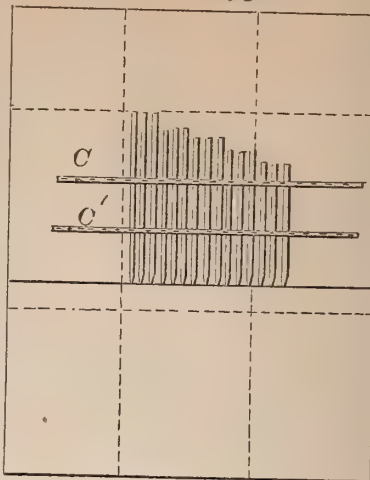
**64051—W. Wheaton—**  
*Spool Holder for*  
*Sewing Machines.*



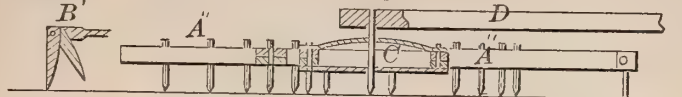
**64052—J. Wheelock—Steam**  
*Engine Piston.*



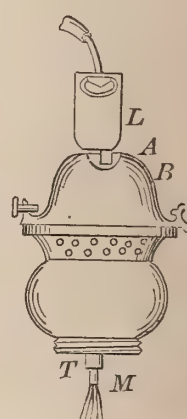
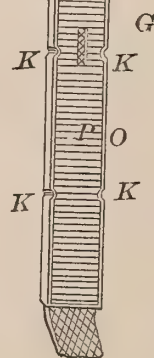
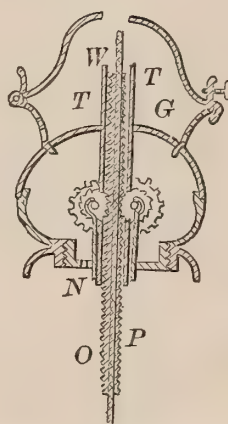
**64053—J. W. Whitfield—**  
*Needle Wrapper.*



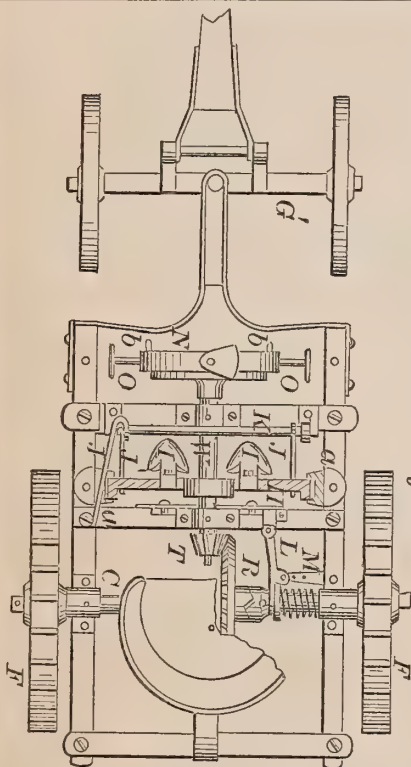
**64055—A. H. Acken—Rotary Harrow.**



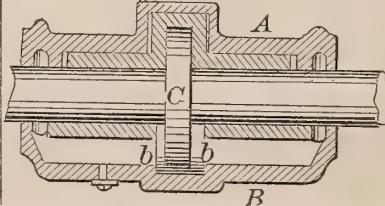
**64056 J. B. Alexander—Lamp Burner.**



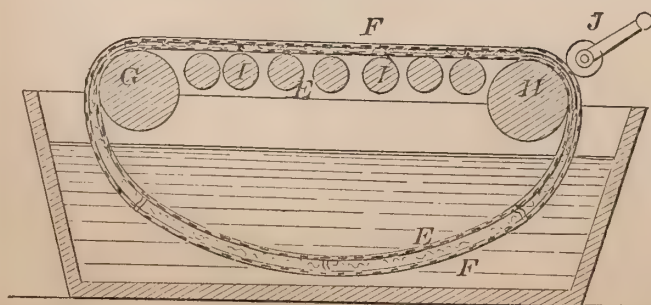
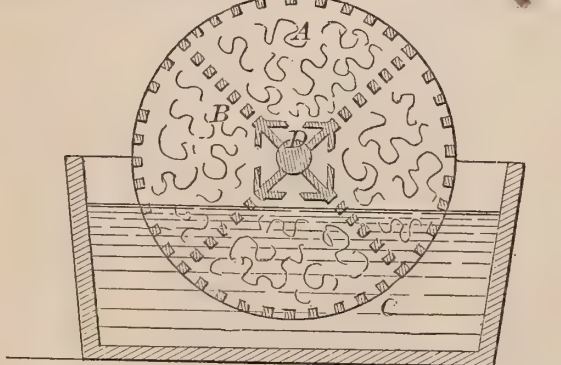
**64057—W. Allick—For**  
*Cultivating Cotton.*



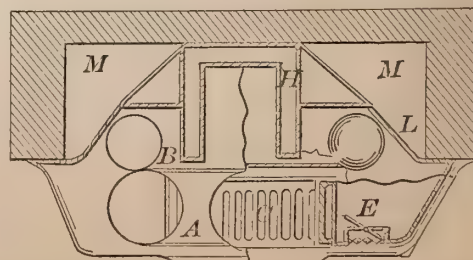
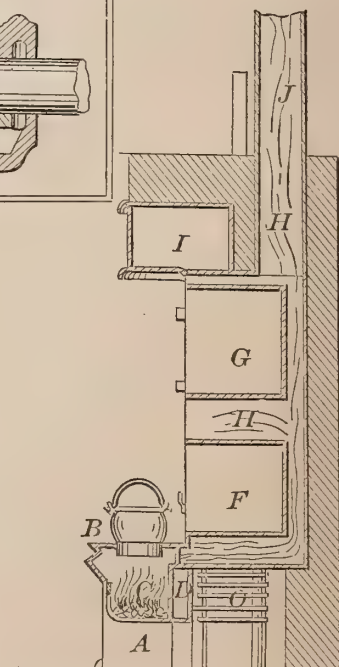
**64054—J. Whitlock—Self-**  
*Oiling Journal Box.*



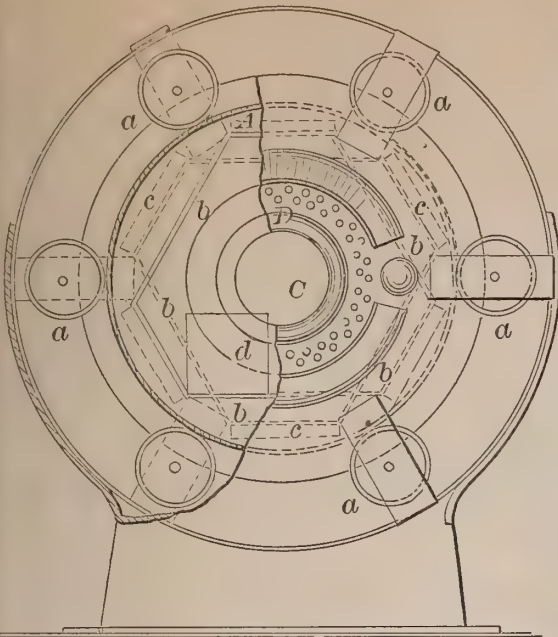
**64058—A. F. & J. H. Andrews—Treating Flax.**



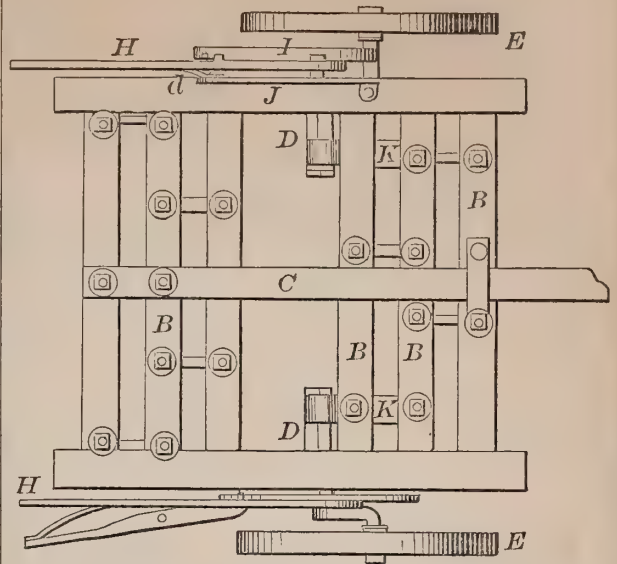
**64059—W. H. Armstrong—Range and Air**  
*Heating Furnace.*



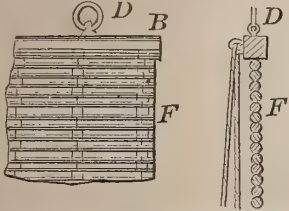
**64060**—R. Bailey—*Quartz Crusher.*



**64061**—J. Bergen—*Cultivator.*



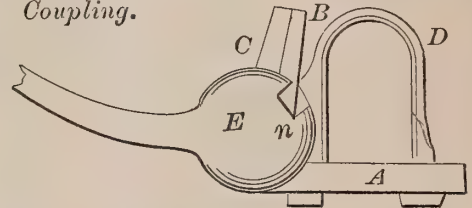
**64062**—A. Binner—*Window Shade.*



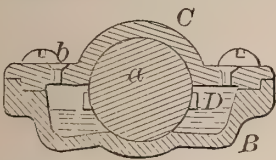
**64063**—J. W. Bliss—*Clothes Line.*



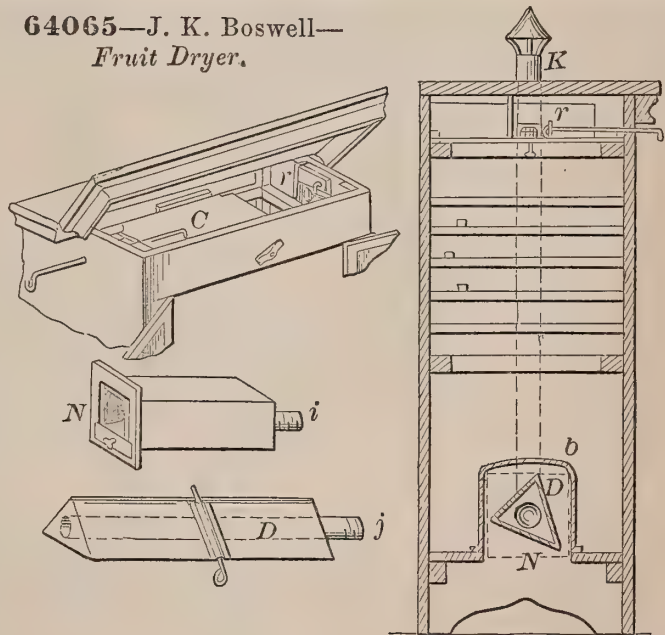
**64067**—J. J. Brown—*Carriage Thill Coupling.*



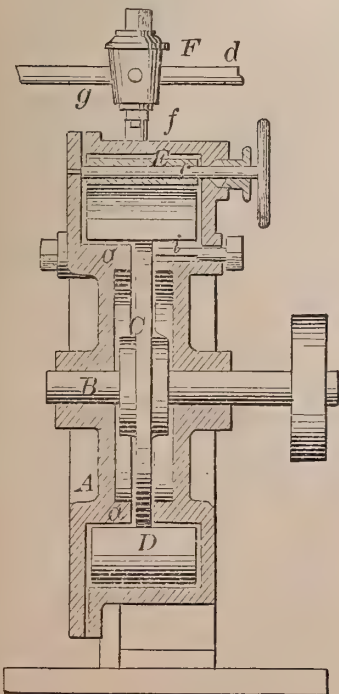
**64064**—S. F. Bond—*Self-Lubricating Journal Box.*



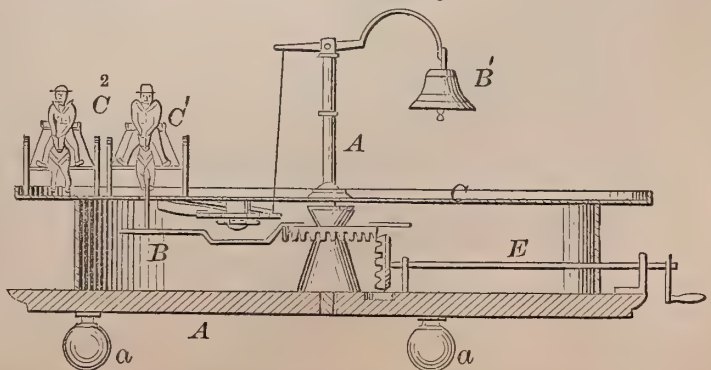
**64065**—J. K. Boswell—*Fruit Dryer.*



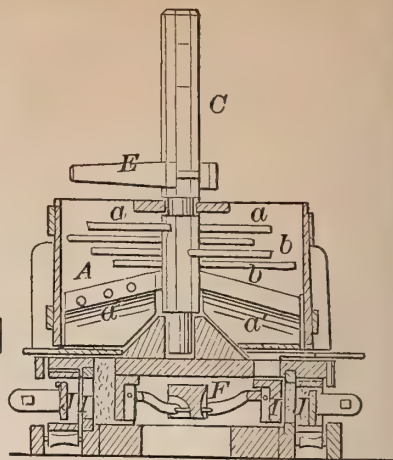
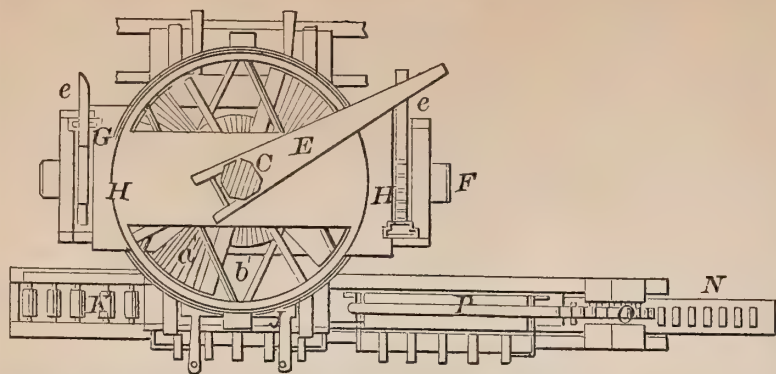
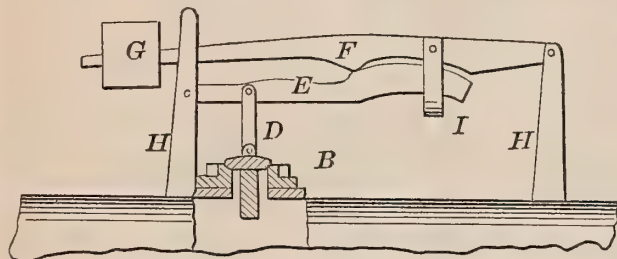
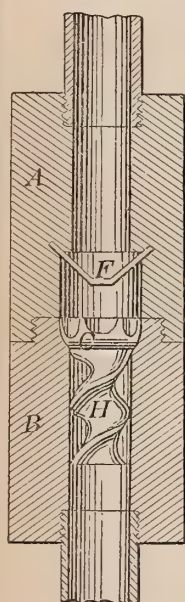
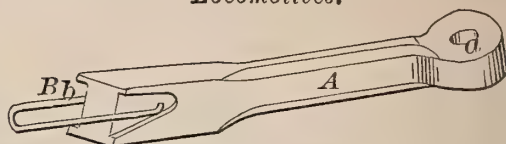
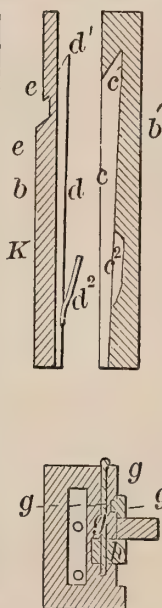
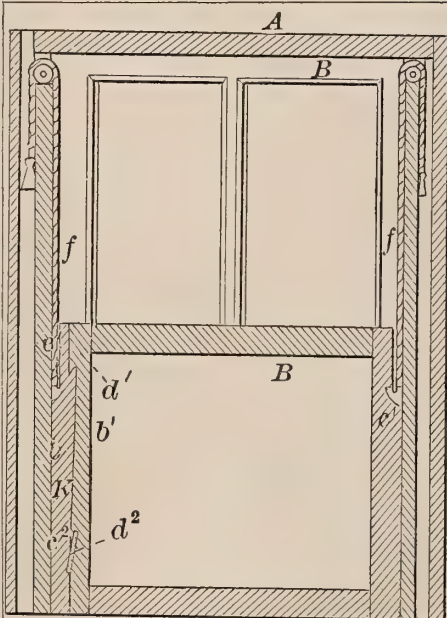
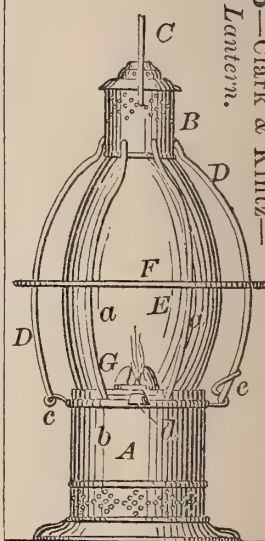
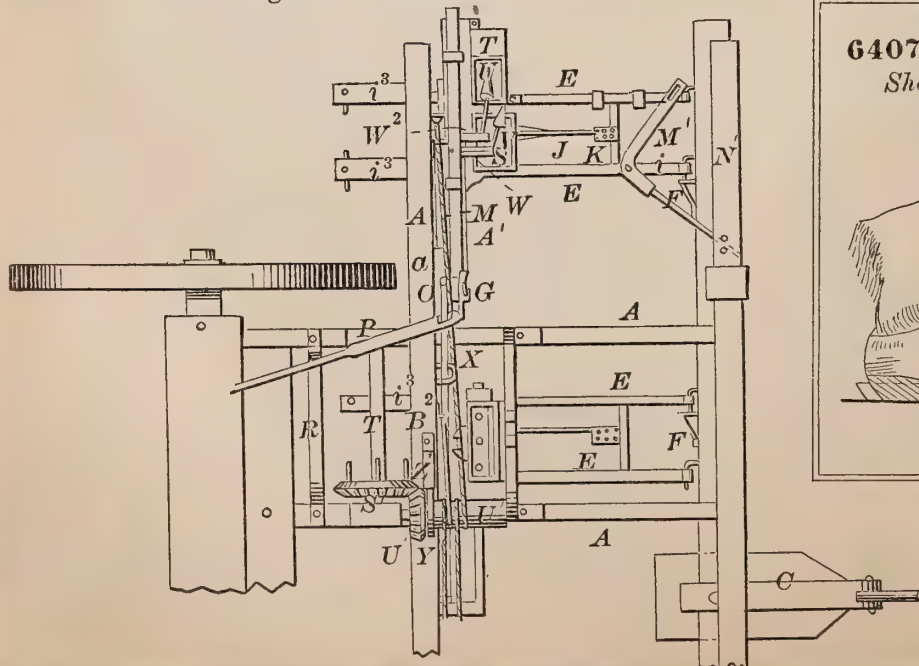
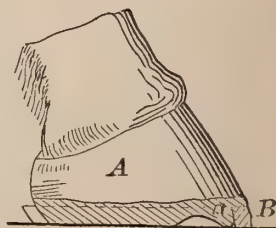
**64068**—S. H. Brown—*Rotary Steam Engine.*



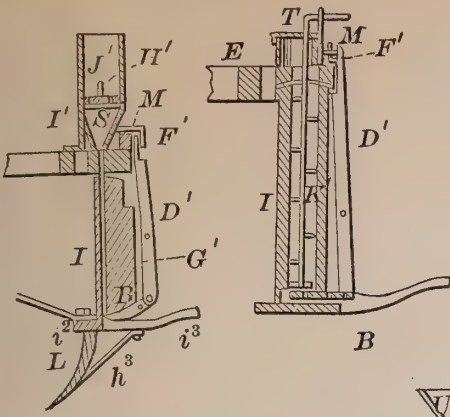
**64066**—L. Broad—*Child's Toy.*





64069—J. W. Burns—*Brick Machine.*64070—T. H. Burrige—*Steam Safety Valve.*64071—D. C. Cannell—*Draw Bar for Locomotives.*64072—C. E. Case—*Steam Engine Valve.*64074—E. Clark—*Window Sash Frame.*64075—Clark & Kintz—*Lantern.*64076—J. Clarridge—*Corn Planter.*64073—P. Charlier—*Shoeing Horses.*

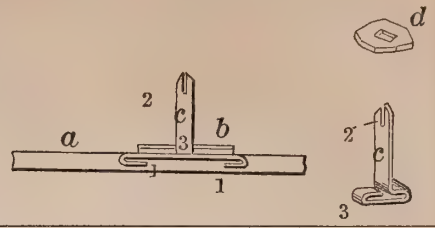
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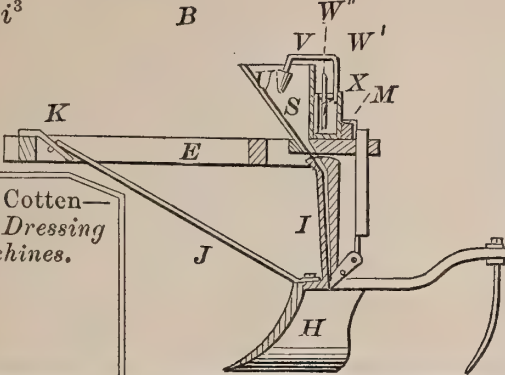
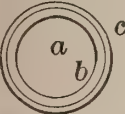
64084—T. A. Dunham—  
Carpet Wadding.



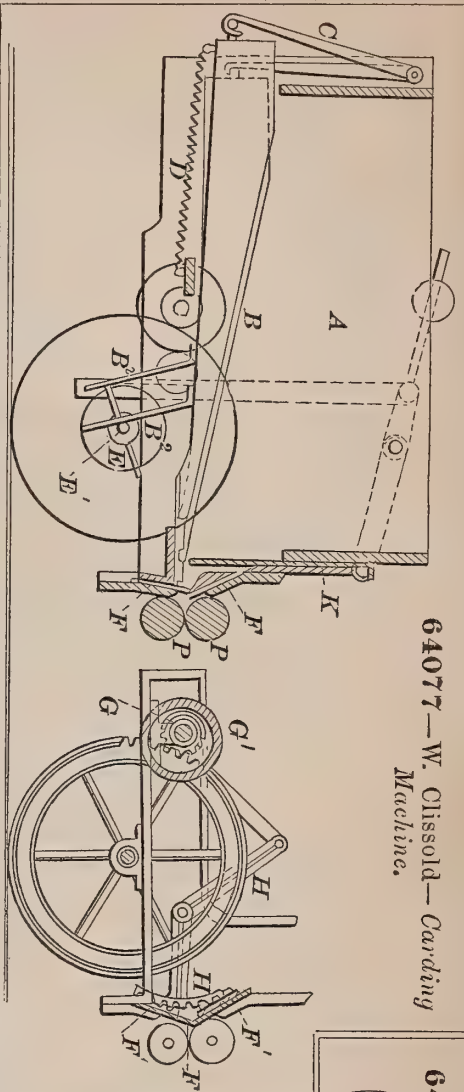
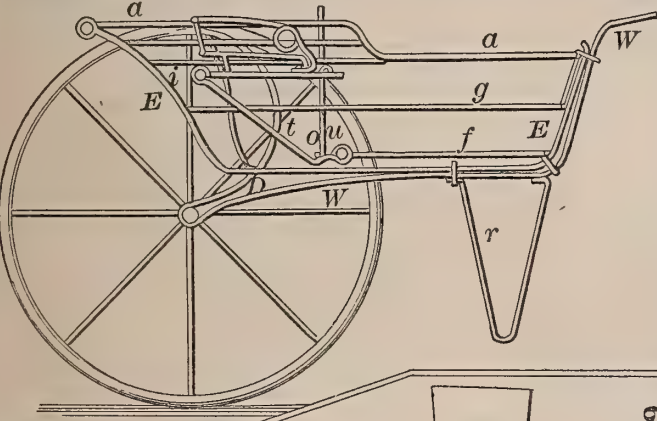
64079—L. B. Covert—Paper File.



64078—B. R. Cotton—  
Roll for Yarn Dressing  
Machines.

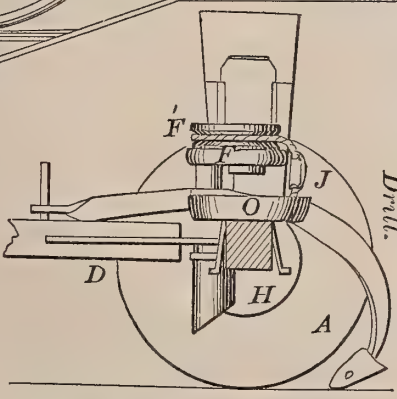


64082—A. Dick—Children's Carriage.

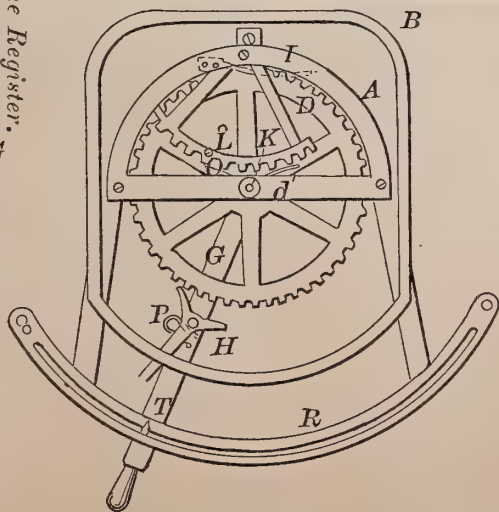
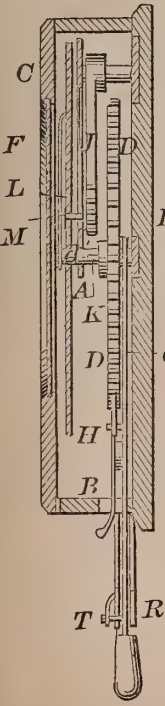


64077—W. Clissold—Carding  
Machine.

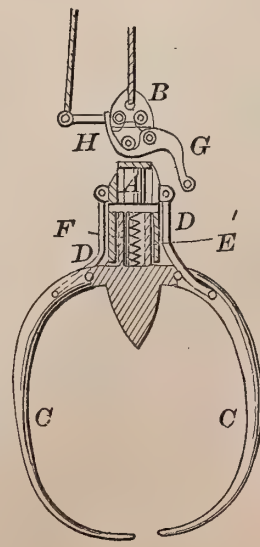
64080—J. Croco—Potato  
Drill.



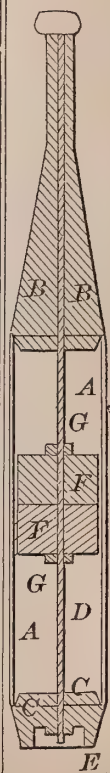
64085—J. Enright—Game Register.



64083—L. M. Doudna—Horse Hay Fork.

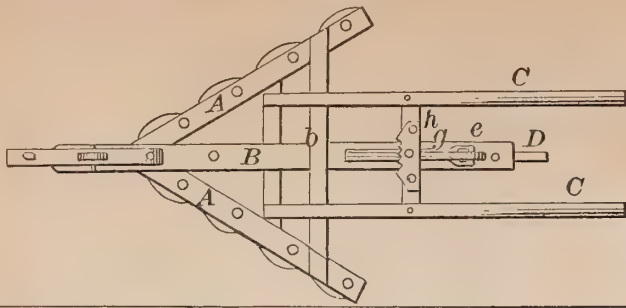


64081—J. L. Dibble—Exercising Club.

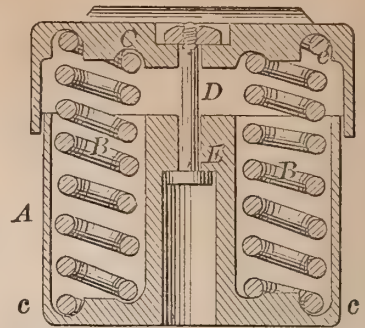
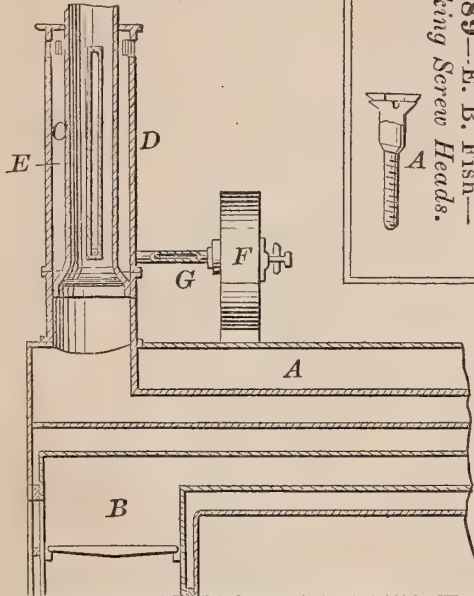




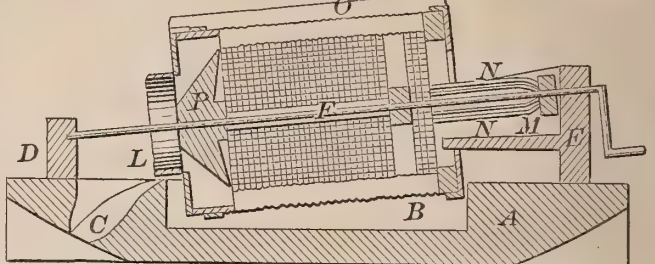
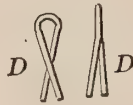
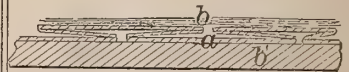
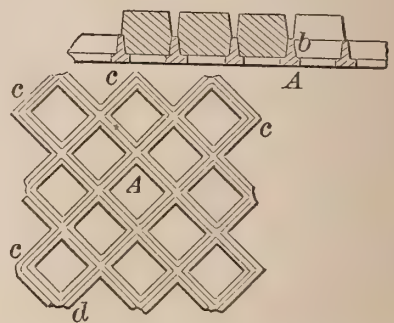
64086—O. Etnier—Cultivator.



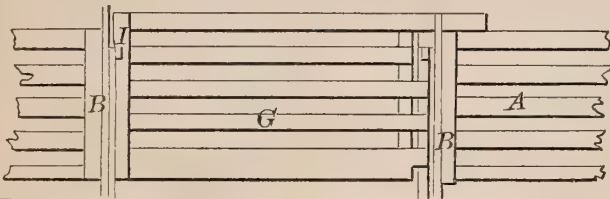
64087—J. W. Evans—Car Spring.

64090—A. C. Fletcher—  
Heating Apparatus for  
Steam Boilers, &c.64089—E. B. Fish—  
Nicking Screw Heads.

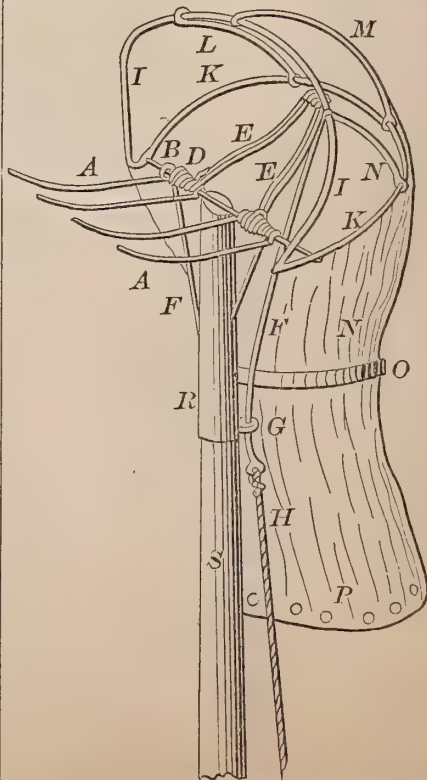
64091—D. L. Furnier—Riddle for Sand Washers.

64088—S. B. Fay—  
Ticket Fastener.64092—W. Fuzzard—  
Carpet Lining.64094—Grader & Baldwin—  
Street Pavement.

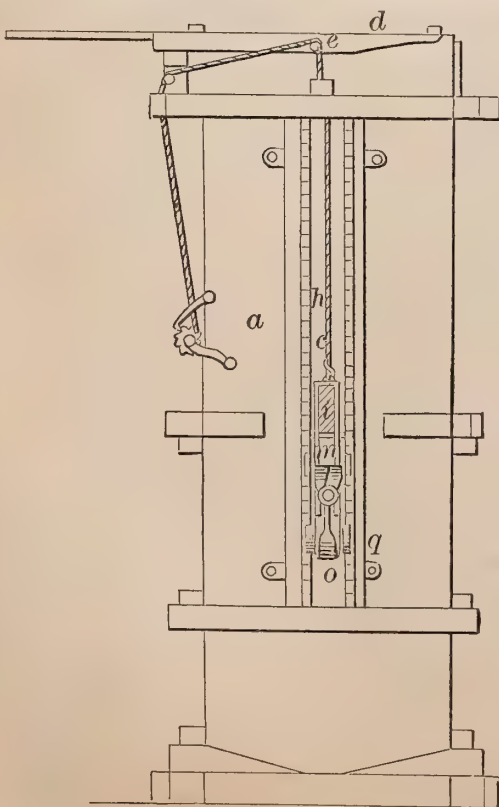
64095—C. S. S. Griffing—Fence and Gate.



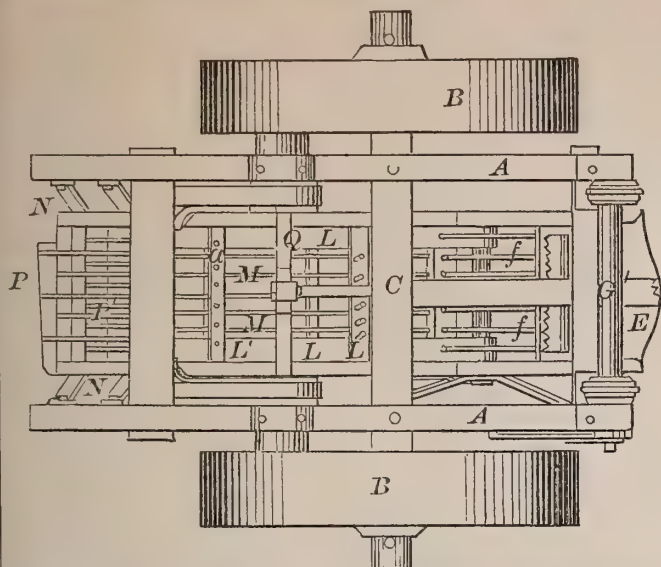
64096—J. B. Haines—Fruit Gatherer.



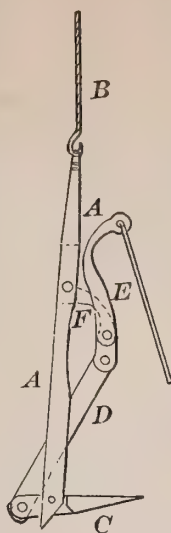
64093—J. Garfield—Hay and Cotton Press.



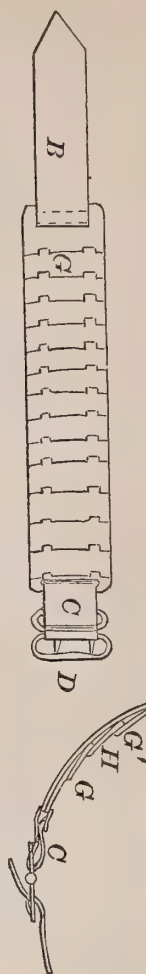
64097—M. Hall—*Potato Digger.*



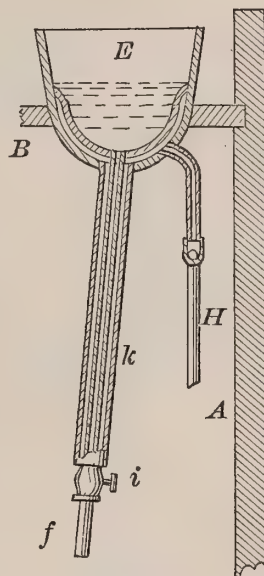
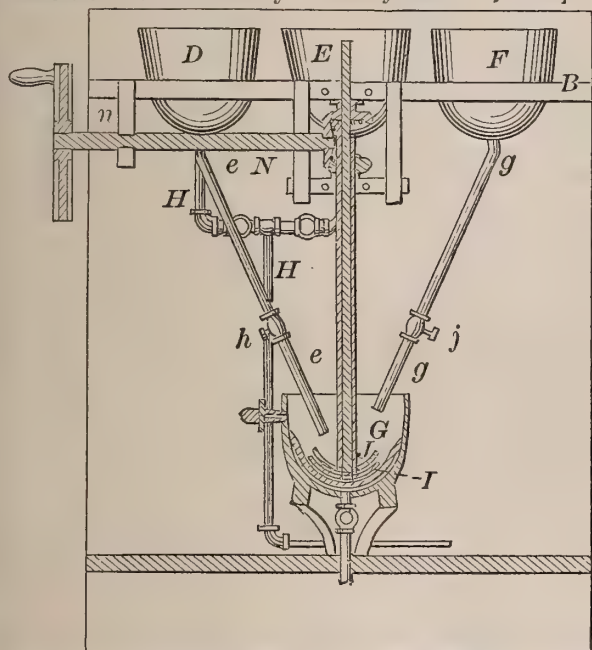
64100—S. & D. A. Harris—*Horse Hay Fork.*



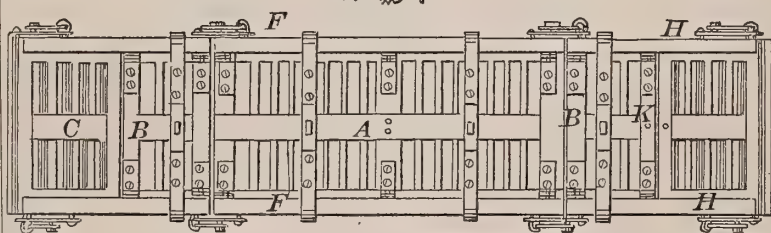
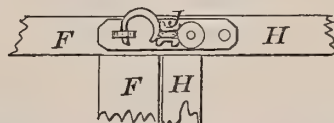
64098—T. Hall—*Voltaic Bracelet.*



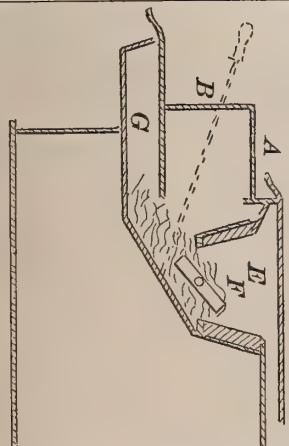
64099—C. H. Hardy—*Manufacture of Soap.*



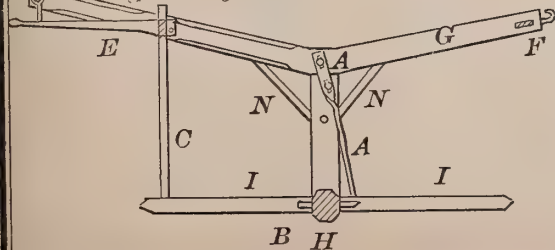
64103—J. Hegeman—*Pontoon Boat.*



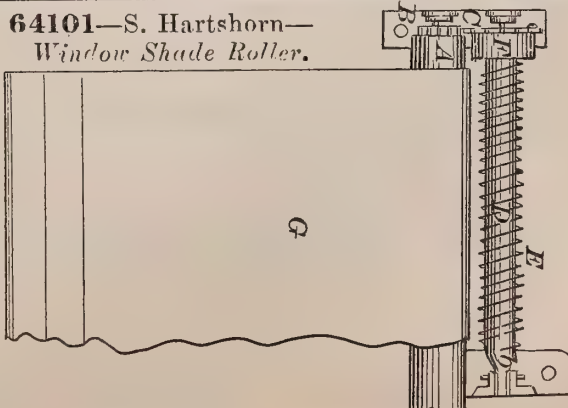
64102—E. Hawks—*Air Chamber for Stones.*



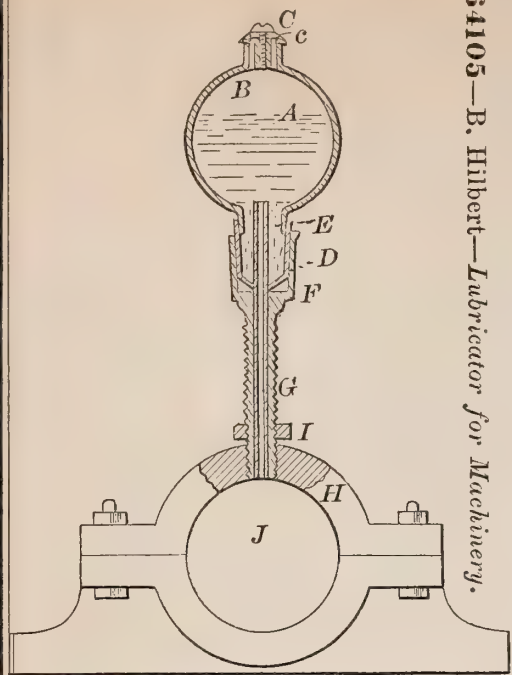
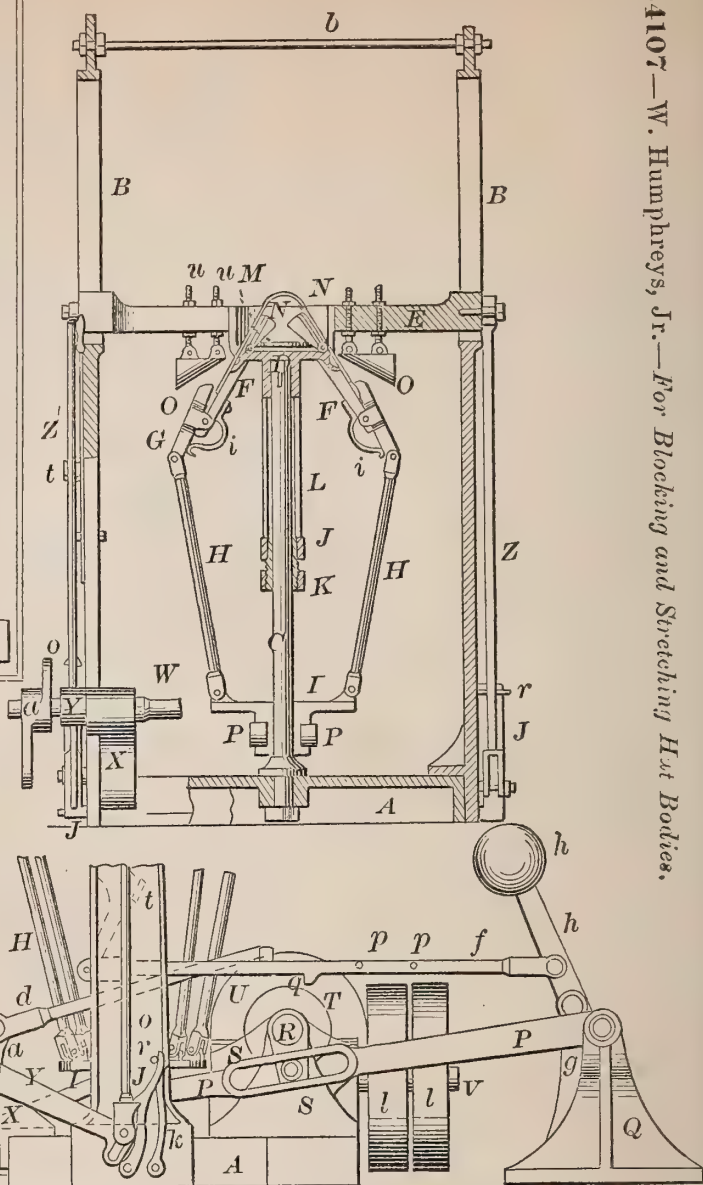
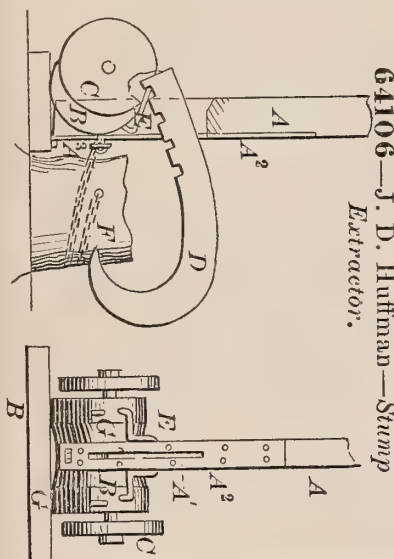
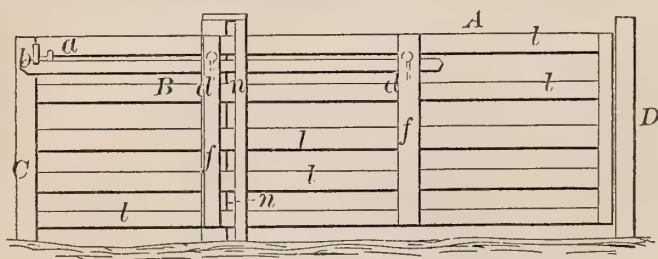
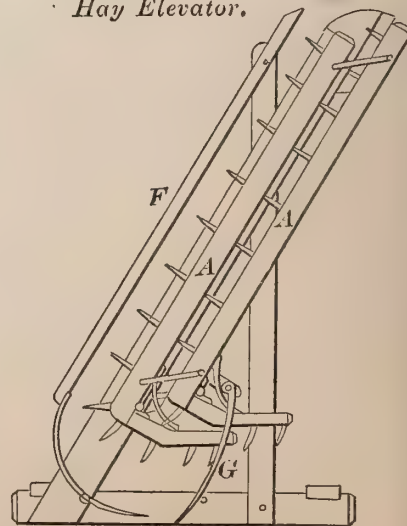
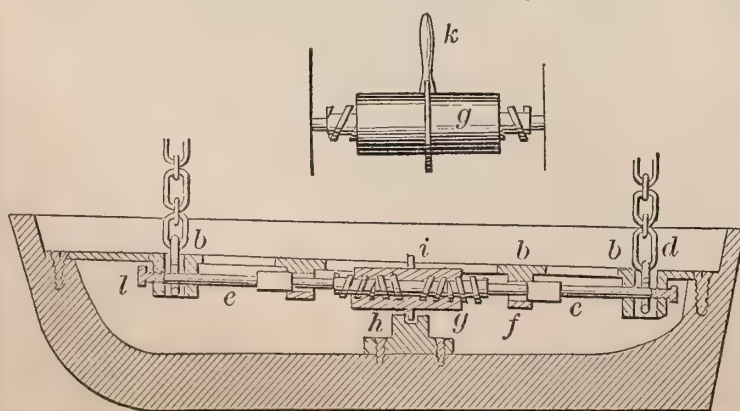
64104—T. N. Henderson—*Horse Hay Rake.*



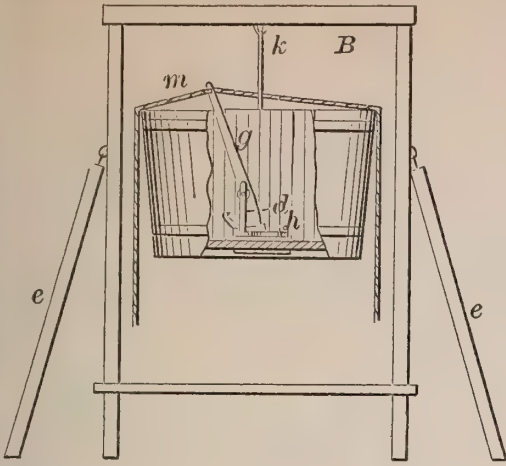
64101—S. Hartshorn—*Window Shade Roller.*



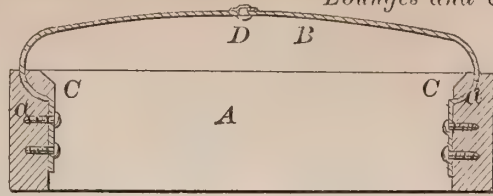


64105—B. Hilbert—*Lubricator for Machinery.*64107—W. Humphreys, Jr.—*For Blocking and Stretching Hat Bodies.*64106—J. D. Huffman—*Stump Extractor.*64108—A. B. Hurd—*Gate.*64109—A. Iske—*Sash Rope Plate.*64111—J. L. Kintner—*Hay Elevator.*64110—P. H. Jackson—*Boat Detaching Tackle.*

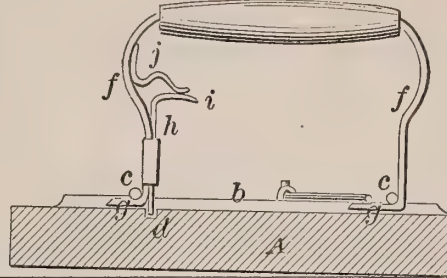
64112—D. P. Lacy—*Shower Bath.*



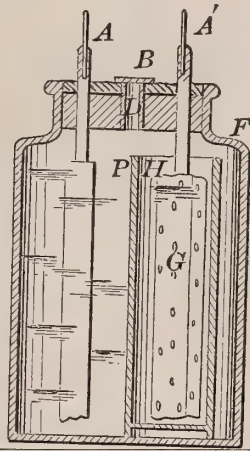
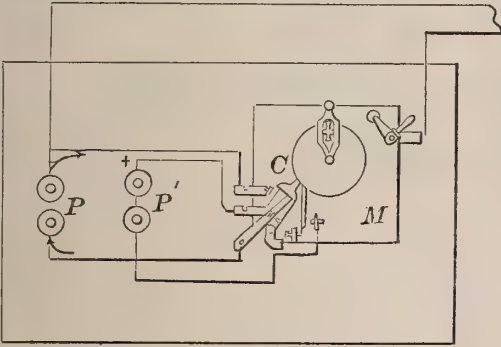
64115—Le Page & Raymond—*Seat for Lounges and Chairs.*



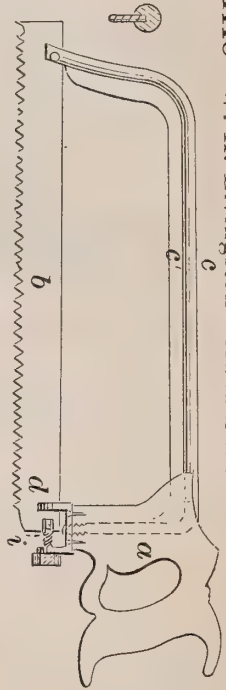
64116—E. Lewis—*Sad Iron.*



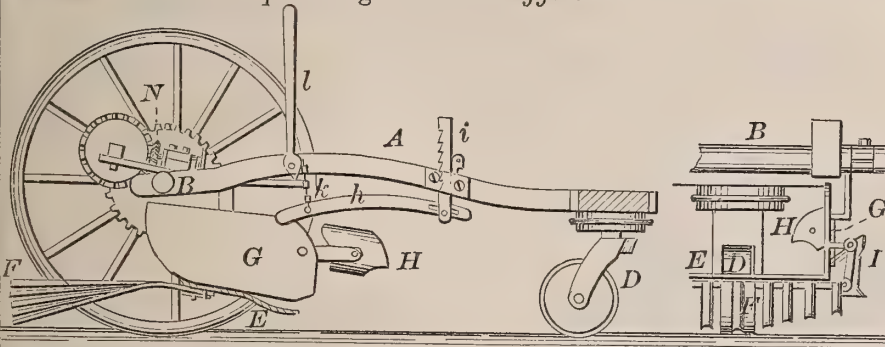
64113—G. L. Leclanché—*Galvanic Battery.*



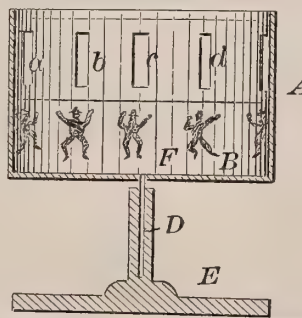
64118—W. H. Livingston—*Hand Saw.*



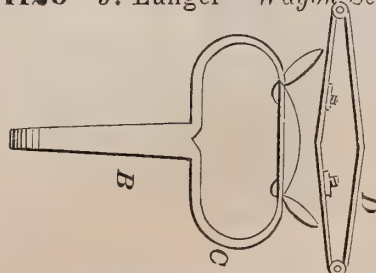
64114—Lenox & Spaulding—*Potato Digger.*



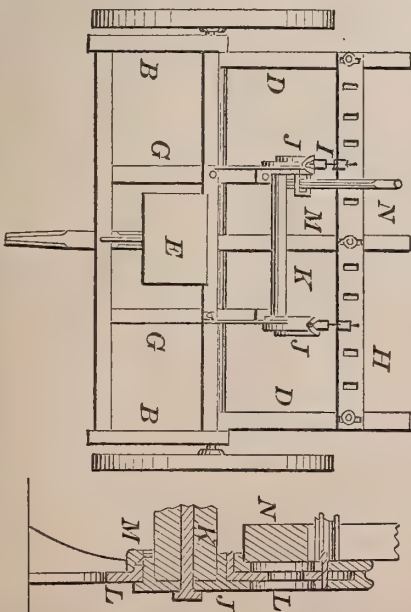
64117—W. E. Lincoln—*Toy.*



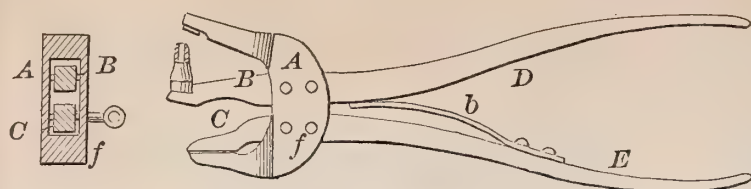
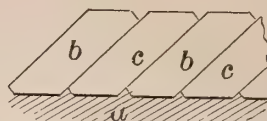
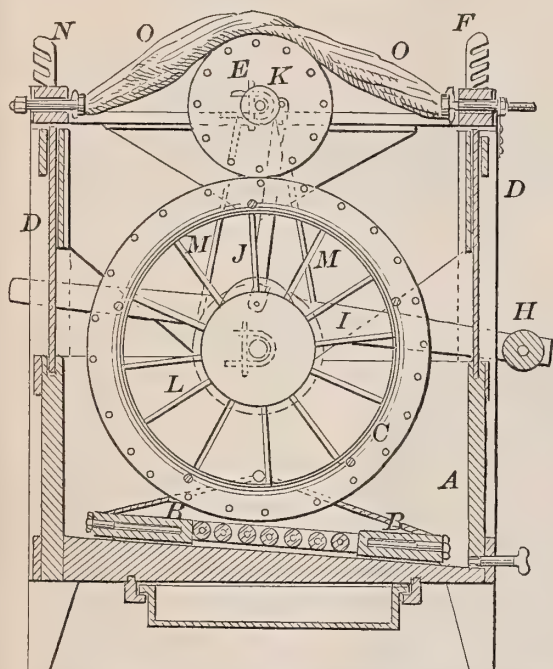
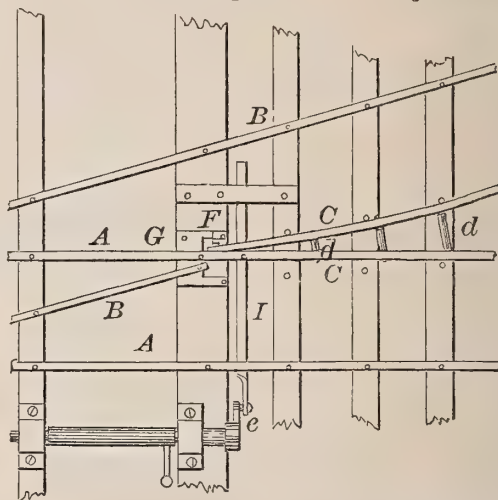
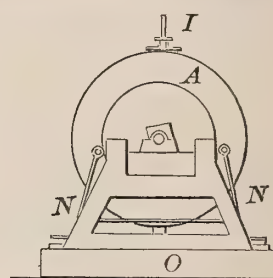
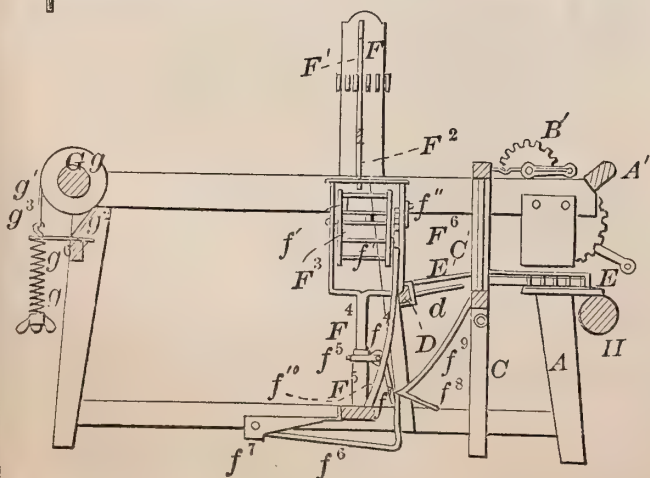
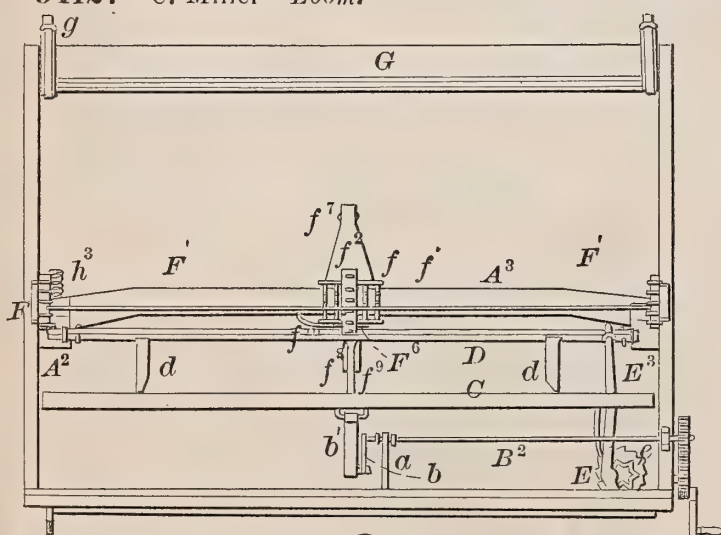
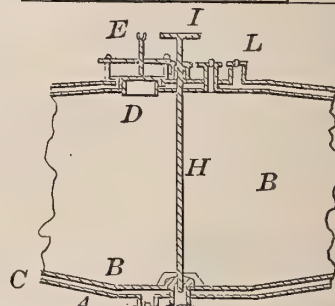
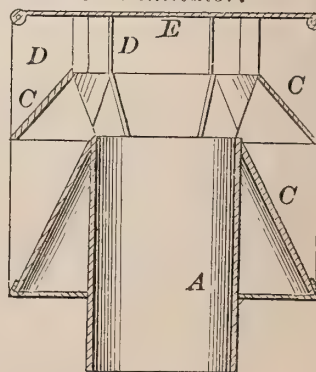
64120—J. Lunger—*Wagon Seat Supporter.*



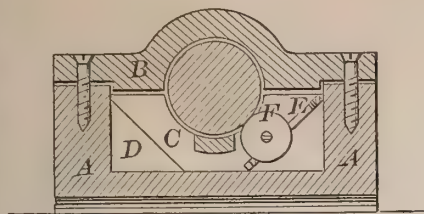
64119—Lowth & Howe—*Cultivator.*



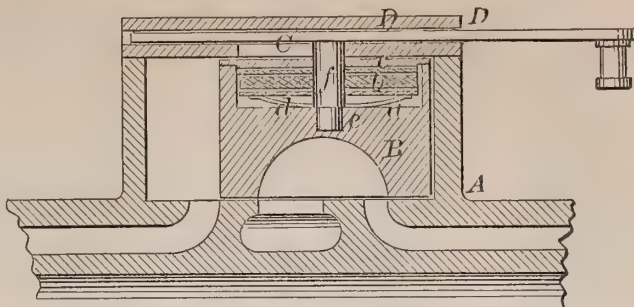


64121—J. Lyle—*Combination Tool.*64126—B. F. Miller—*Pavement.*64122—A. J. Mapes—*Washing Machine.*64124—J. McLaughlin—*Railway Switch.*64127—C. Miller—*Loom.*64123—T. J. McGarry—*For Storing and Transporting Oil.*64128—J. A. Miller—*Chimney or Ventilator.*64129—Mills & Hewett—*Clothes Dryer.*

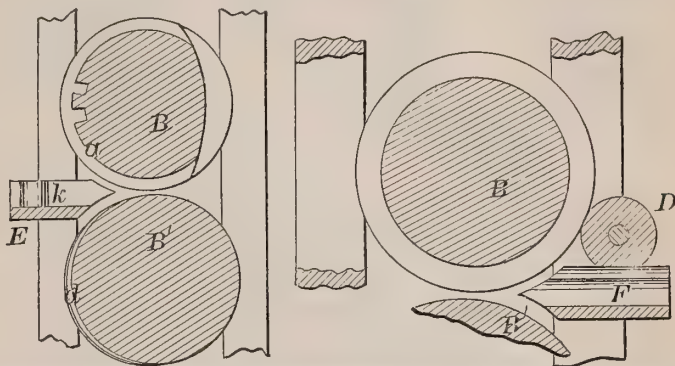
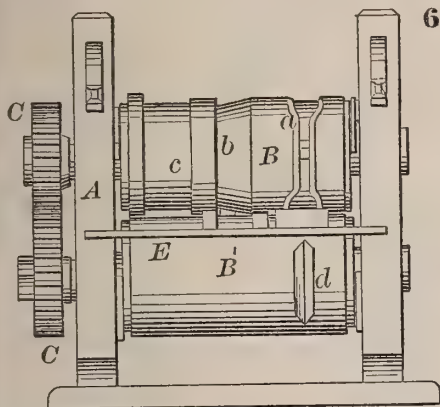
**64130**—G. M. Morris—*For Oiling Journal Boxes.*



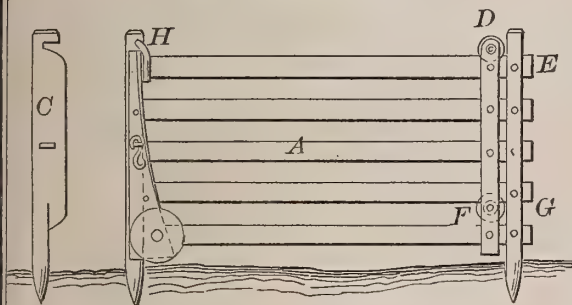
**64132**—G. H. Myers—*Steam Engine Slide Valve.*



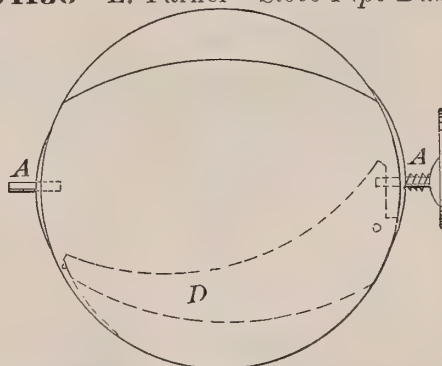
**64131**—F. Murray—*For Rolling Clevises and Plow Shares.*



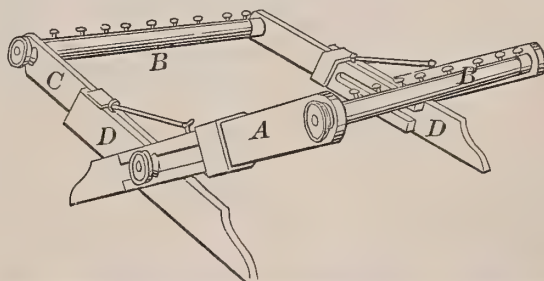
**64133**—J. H. Nonamaker—*Farm Gate.*



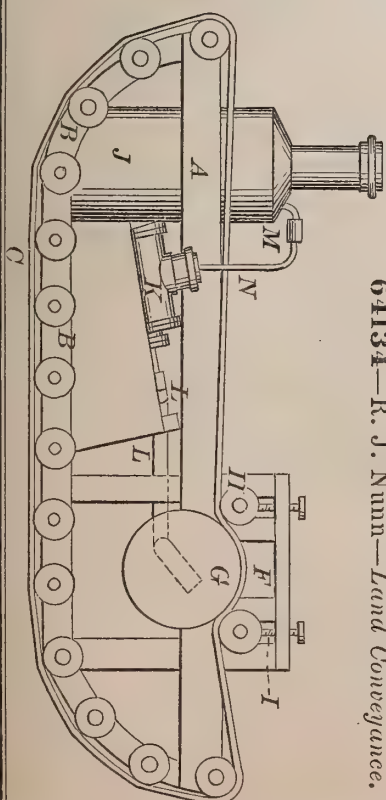
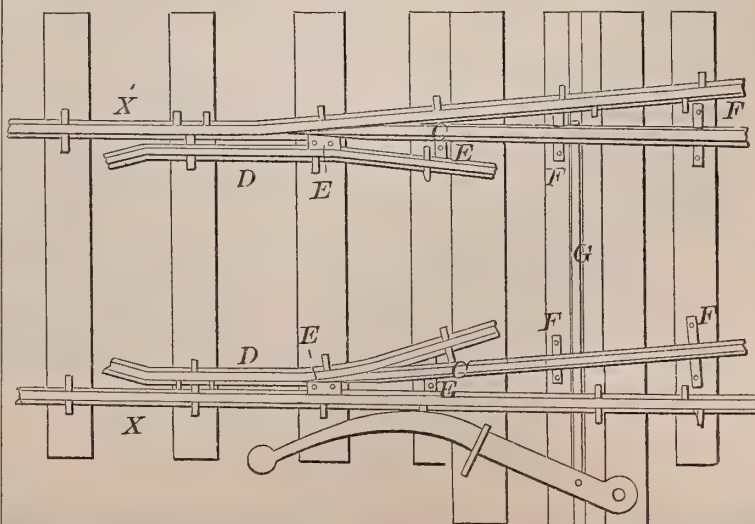
**64136**—E. Parker—*Stove Pipe Damper.*



**64137**—B. F. Partridge—*Quilting Frame.*

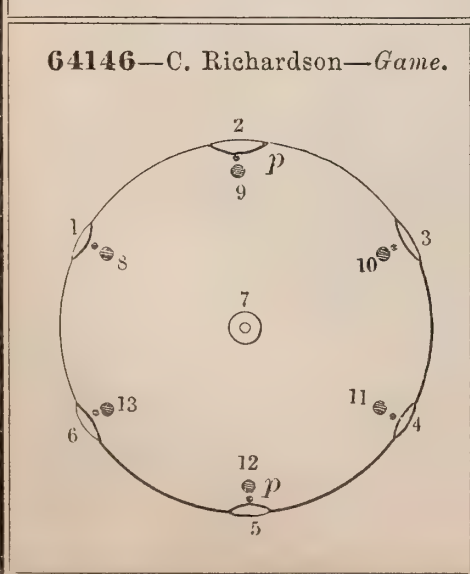
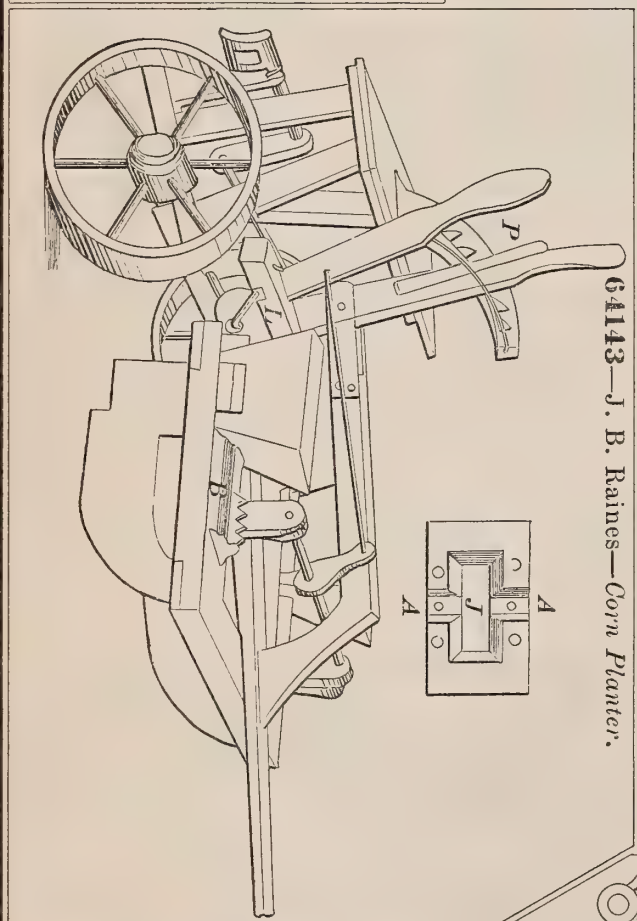
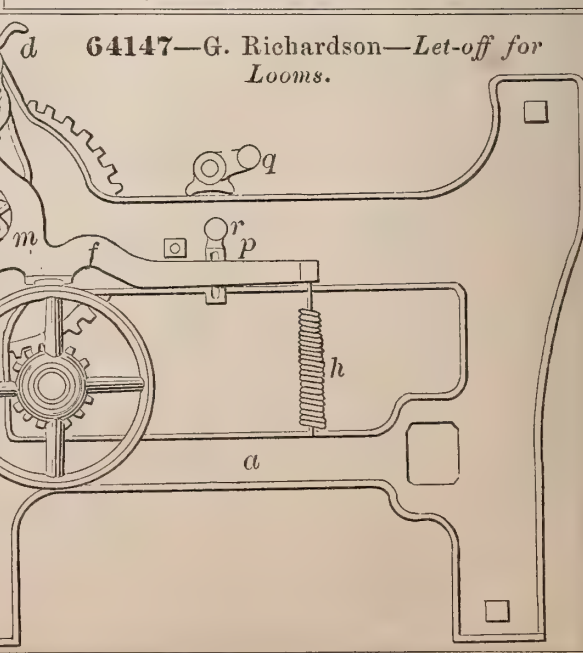
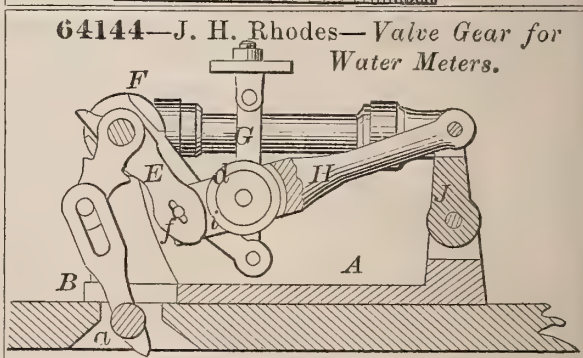
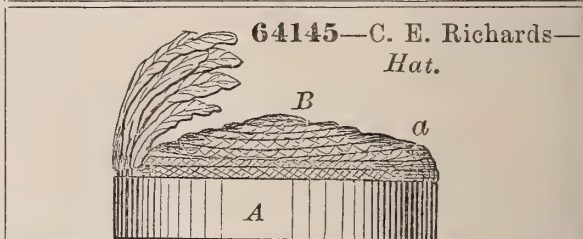
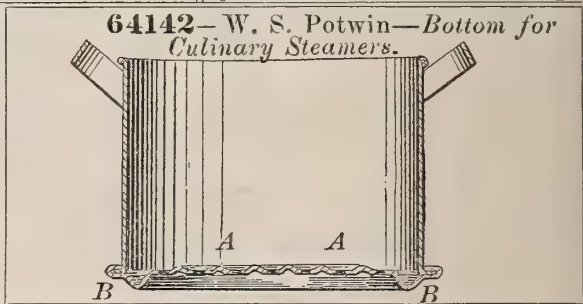
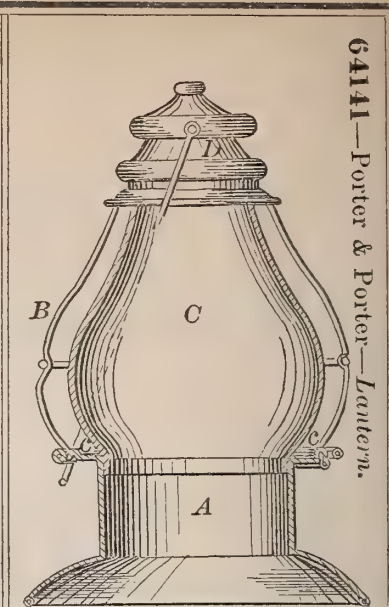
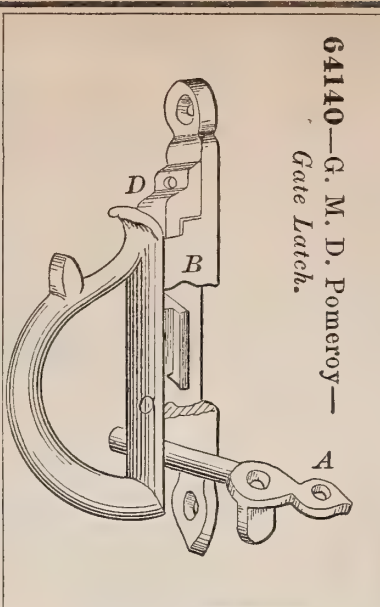
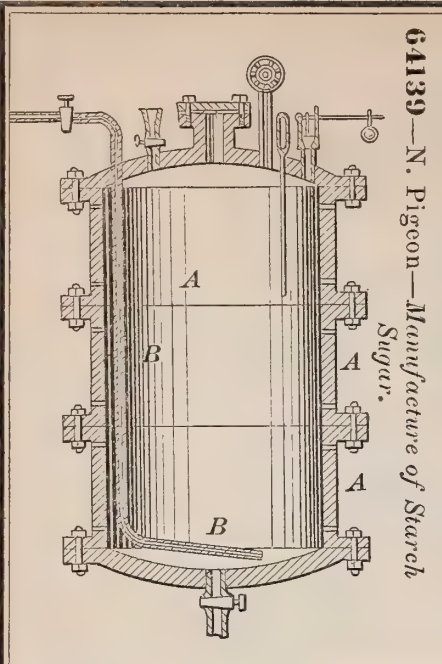


**64138**—Passmore & Heckert—*Railroad Switch.*

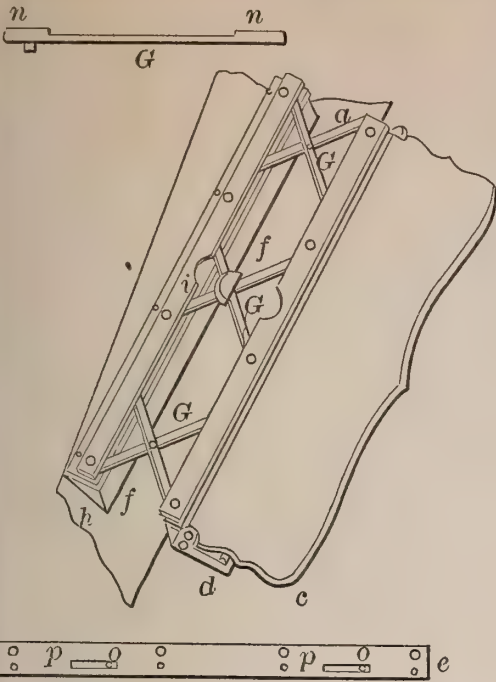


**64134**—R. J. Nunn—*Land Conveyance.*

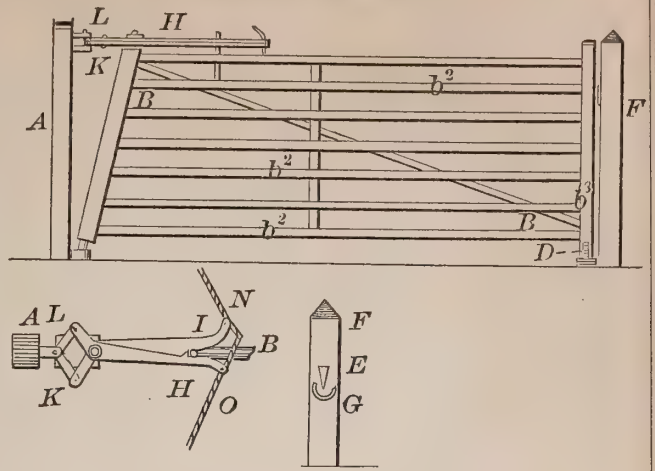




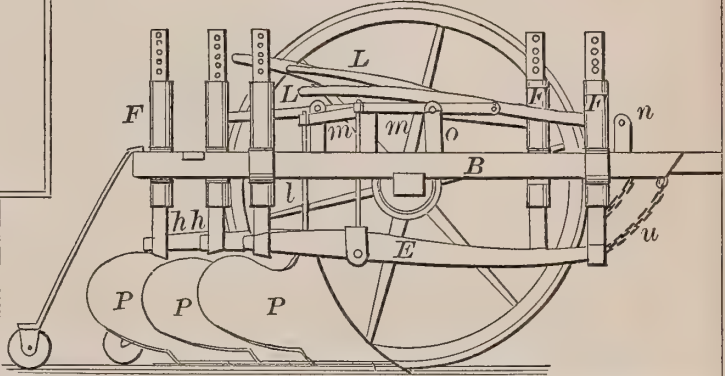
64148—F. X. Rizey—*Musical Desk.*



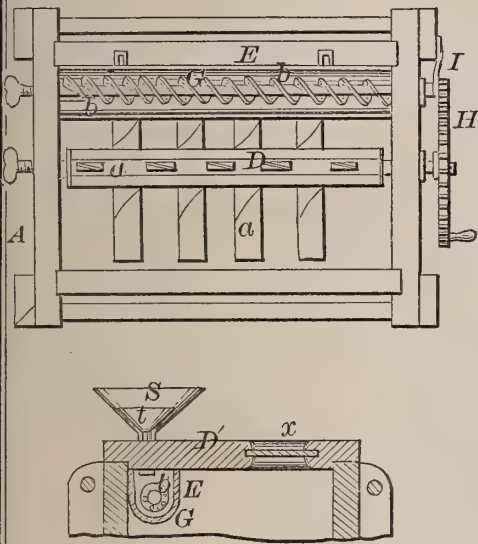
64150—Roth & Shane—*Gate.*



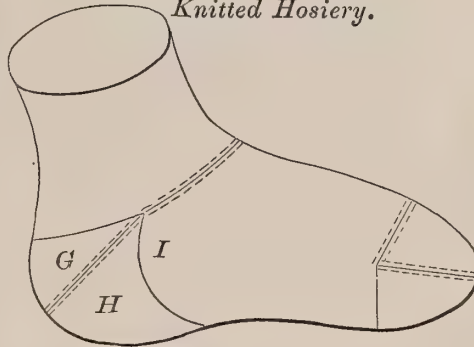
64152—E. Sexton—*Gang Plow.*



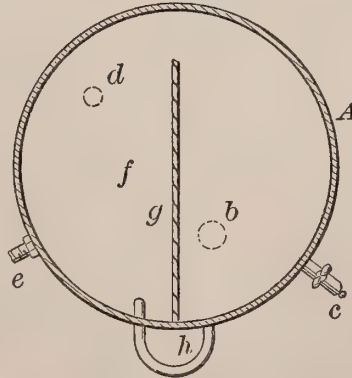
64149—C. H. L. Roberts—*Churn.*



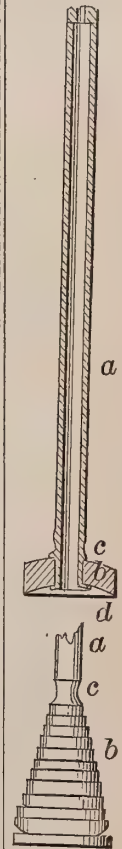
64154—B. F. Shaw—*Machine-Knitted Hosiery.*



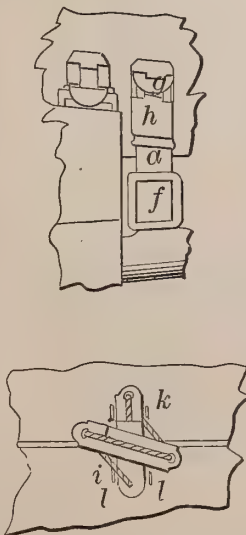
64156—W. A. Simonds—*For Carburetting Gas.*



64158—C. T. Smith—*Metallic Bobbin.*



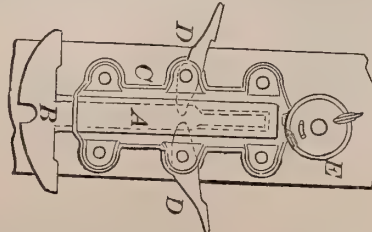
64155—G. Sickels—*Shoe Fastening.*



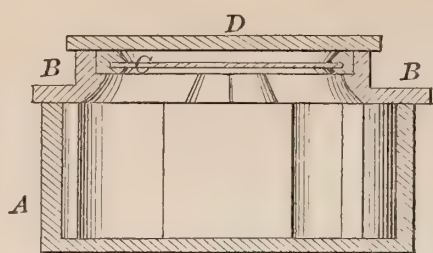
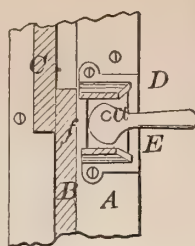
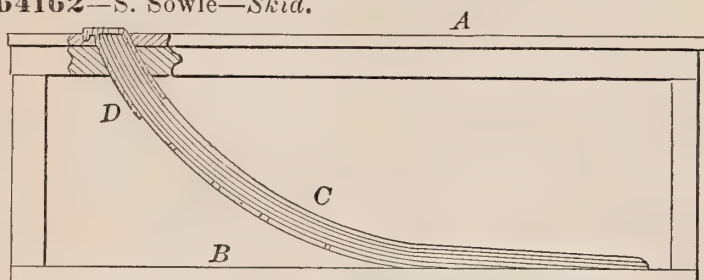
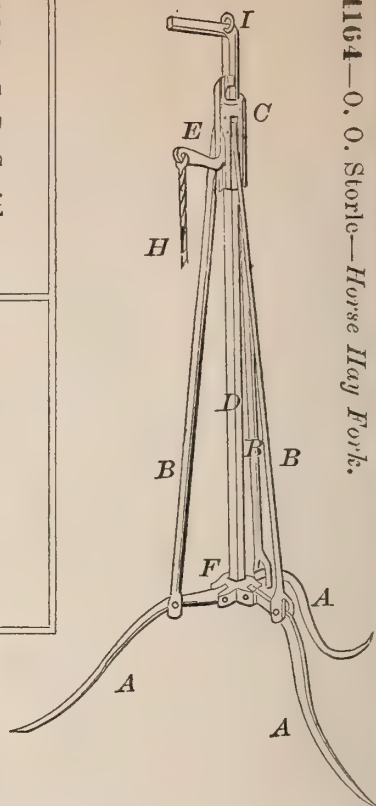
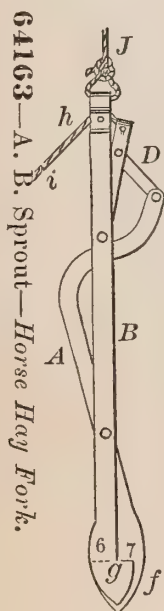
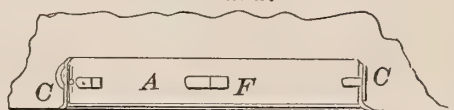
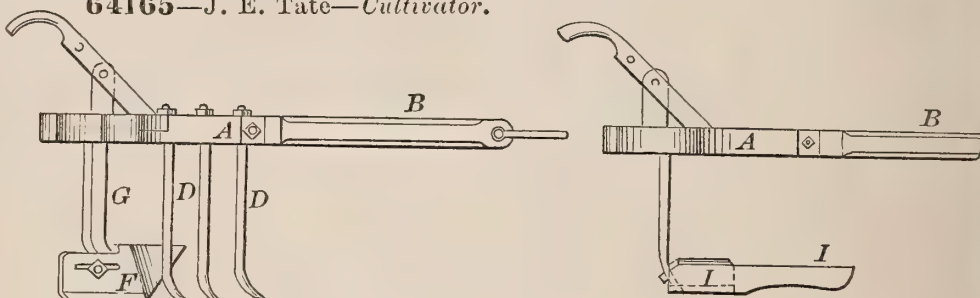
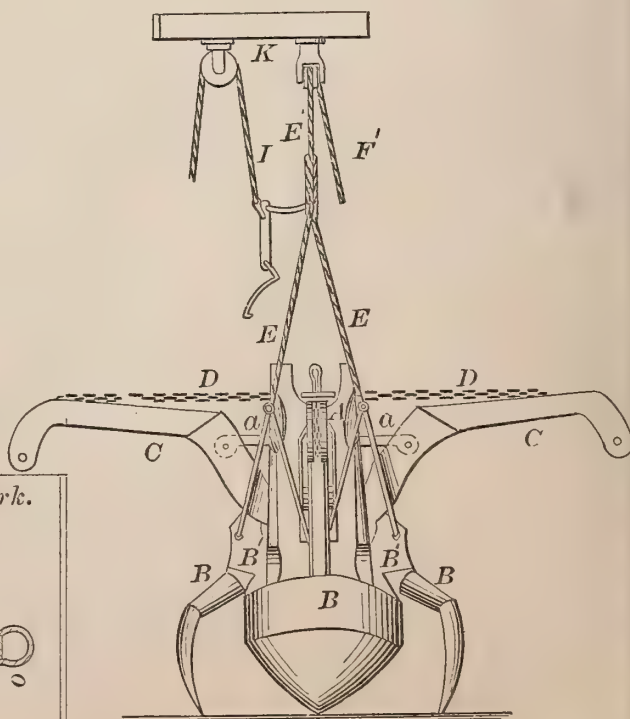
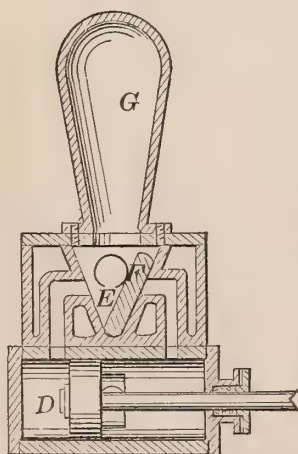
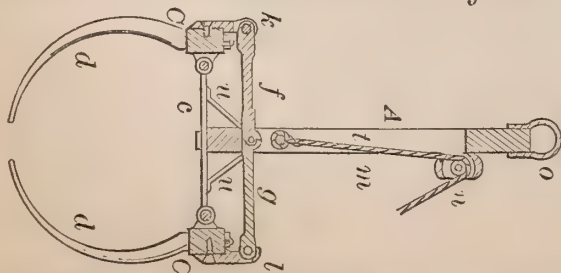
64157—P. Sinsz—*Mounting Glaziers' Diamonds.*



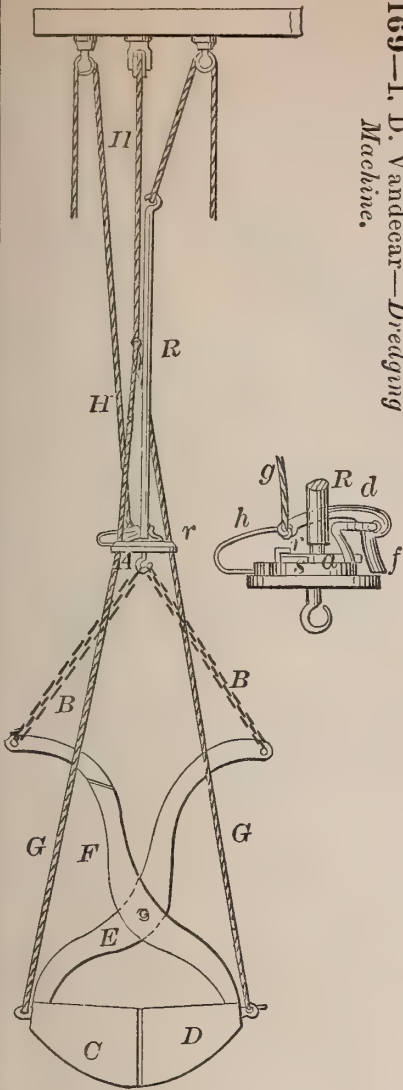
64153—C. Seymour—*Gate Fastening.*



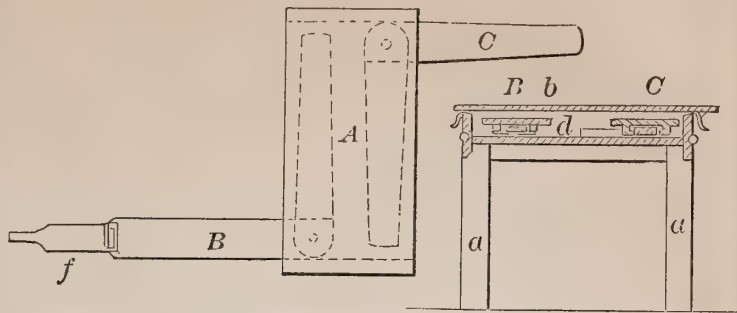


64159—H. Smith, Jr.—*Coffin*.64160—J. R. Smith—*Sash Fastener*.64162—S. Sowle—*Skid*.64164—O. O. Storle—*Horse Hay Fork*.64161—Smith & Lindsley—*Pantaloons Guard*.64163—A. B. Sprout—*Horse Hay Fork*.64165—J. E. Tate—*Cultivator*.64168—I. D. Vandecar—*Excavator*.64166—J. E. Thorpe—*Steam Pump*.64167—W. H. T. Tomlin—*Horse Hay Fork*.

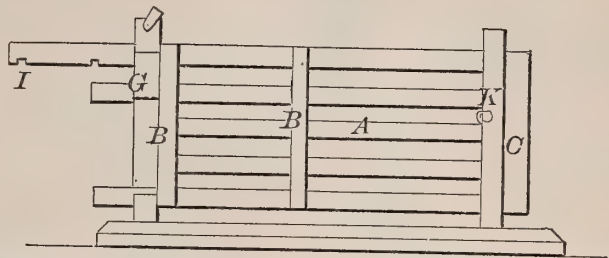
64169—L. D. Vandear—Dredging Machine.



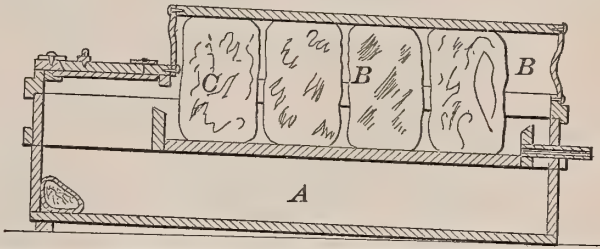
64170—B. V. Gaasbeek—Ironing Table.



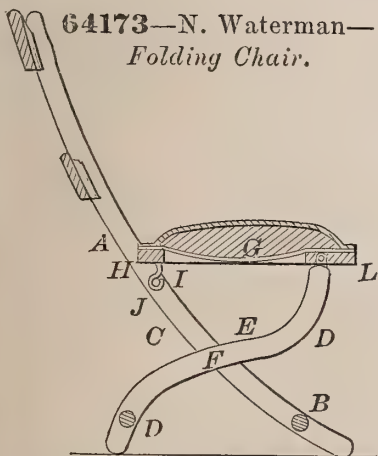
64171—W. F. Veber—Fence Gate.



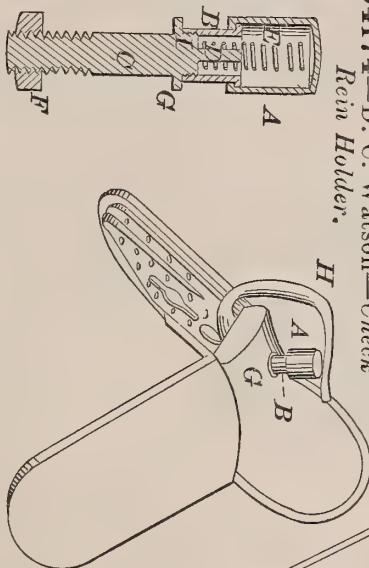
64172—J. S. Waterman—Corpse Preserving Case.



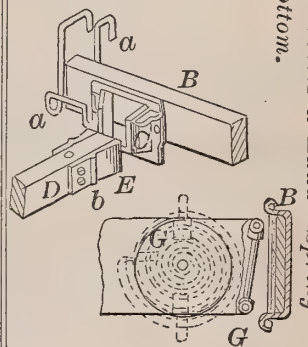
64173—N. Waterman—Folding Chair.



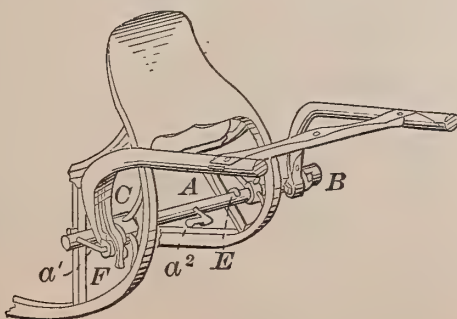
64174—D. C. Watson—Check Rein Holder.



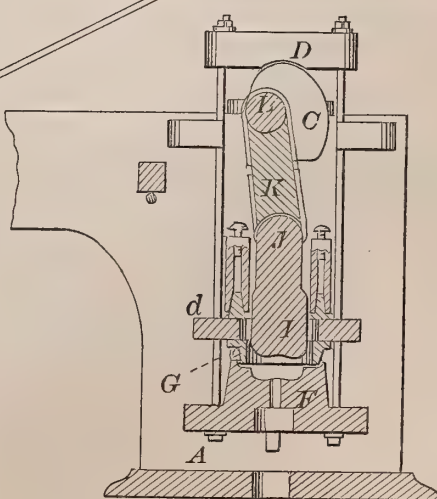
64175—Webster & Ladd—Spring Bed Bottom.



64177—N. T. Whiting—Sleigh.

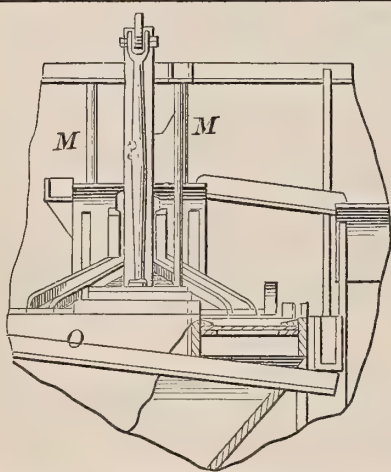
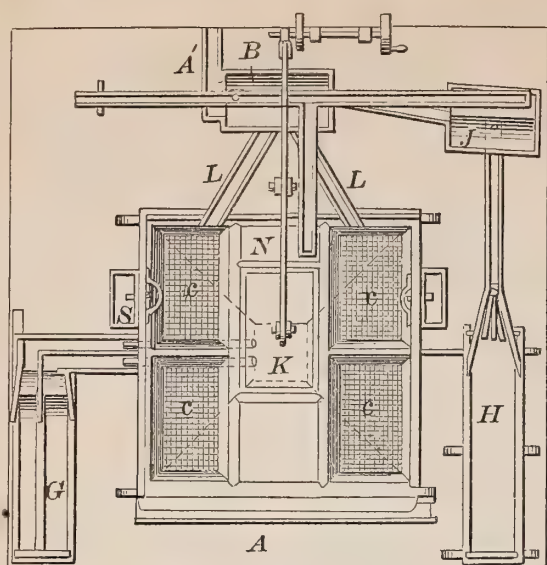


64176—M. Wells—For Shaping Metals.





64178—J. Wicks—*Ore Washer.*



64180—J. Young—*Clothes Wringer.*

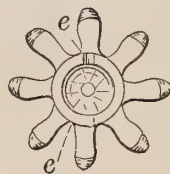
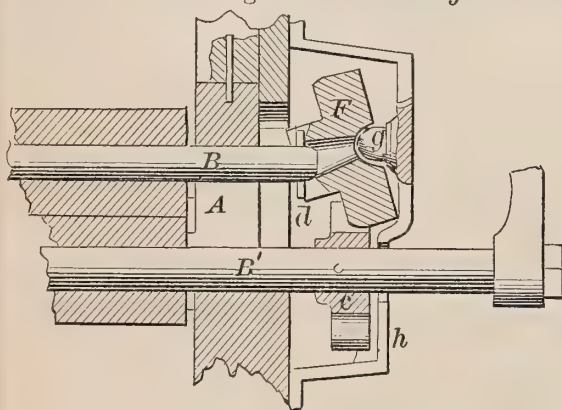


Fig. 1

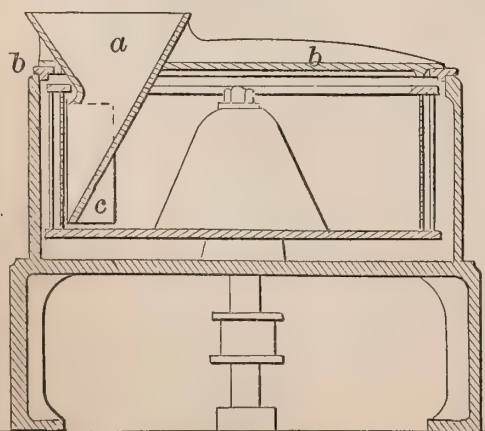


Fig. 2

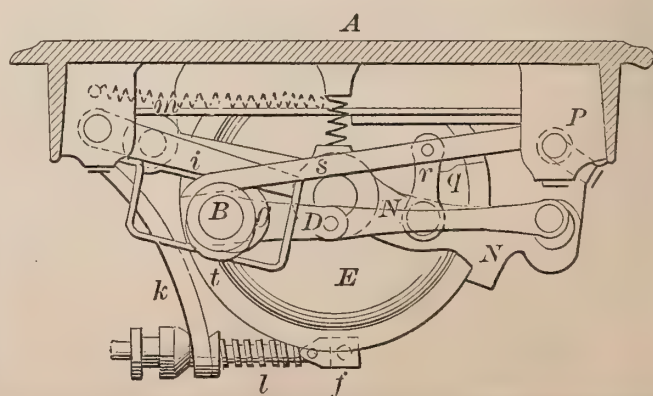


64179—J. C. Whiting—*Ilusory*  
*Decapitation.*

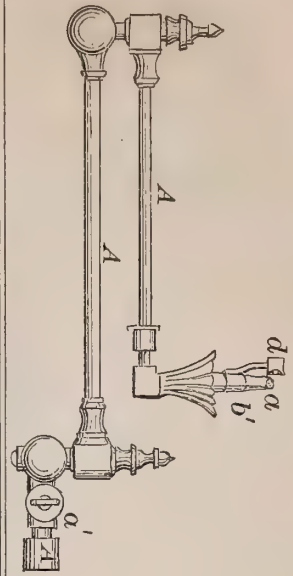
**64183**—H. Merrill—*Centrifugal Machine.*



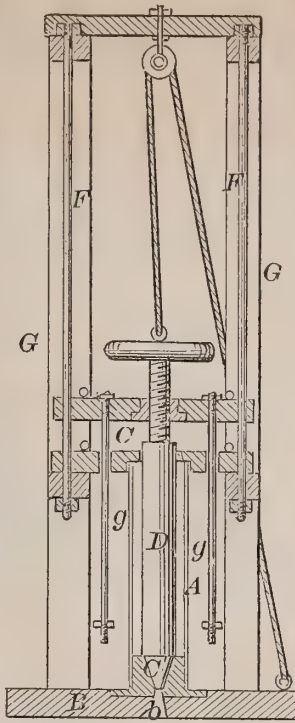
64184—H. Stannard—*Sewing Machine.*



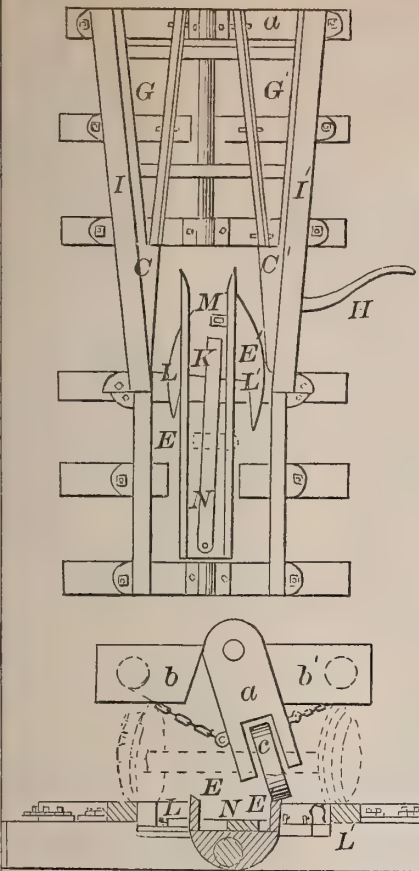
64188—A. Barbarin—Lighting Gas.



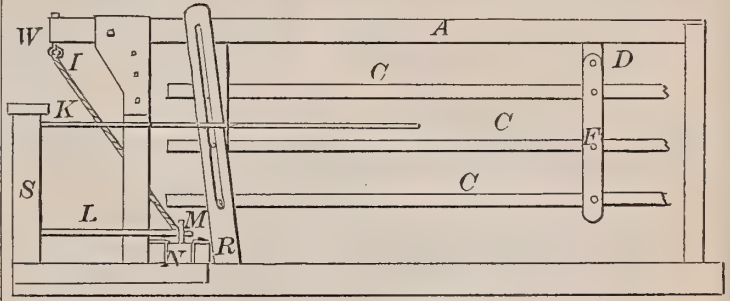
64187—G. H. Bailey—For Making Water and Gas Pipes.



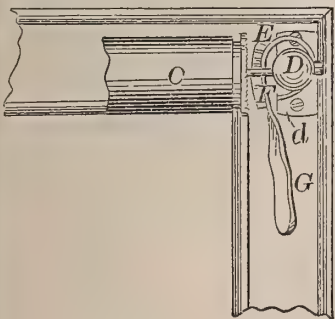
64185—J. B. Alexander—Railroad Switch.



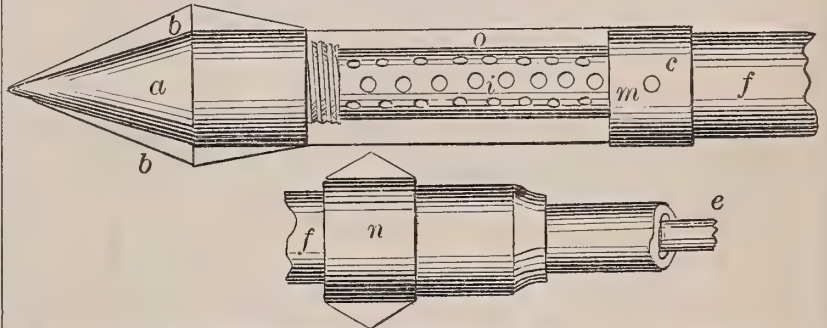
64190—D. Bordner—Gate.



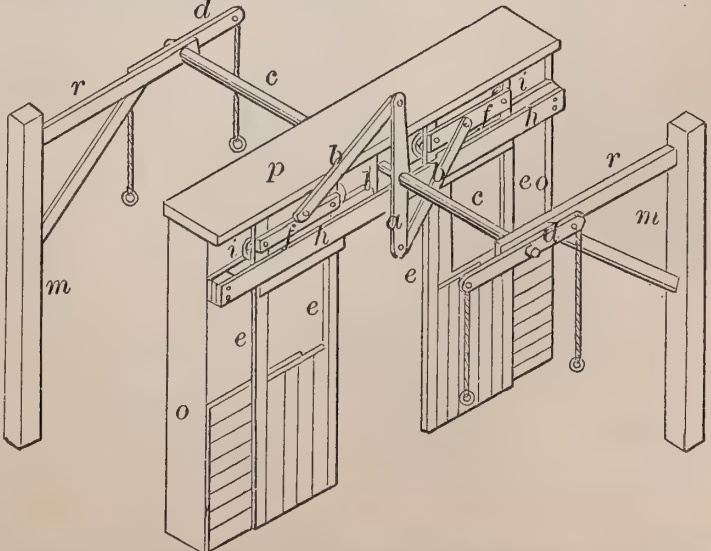
64186—Babcock & Duffy—Carriage Curtain Fixture.



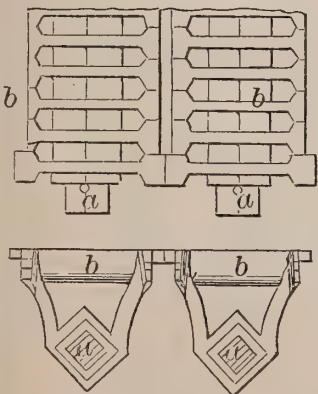
64192—J. Budd—Well Pipe.



64193—J. Budd—Gate.

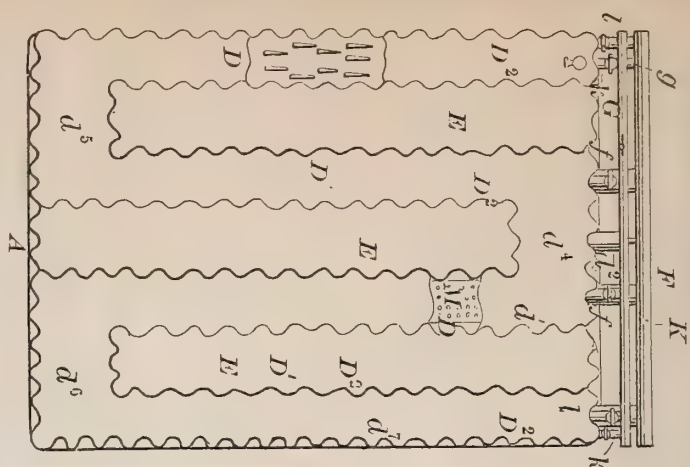
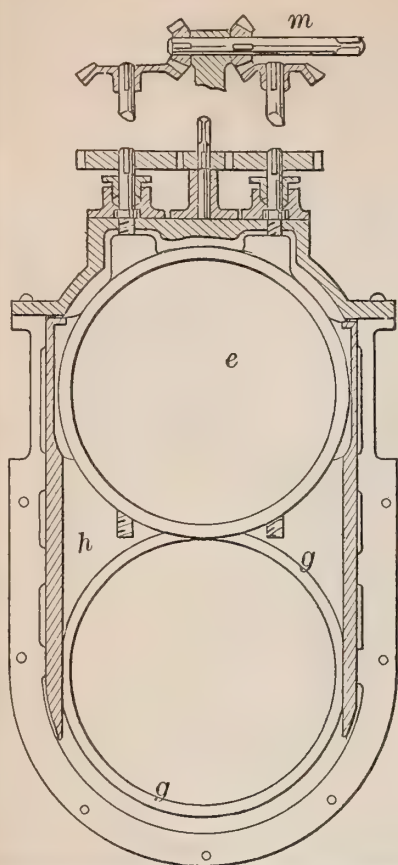


64191—H. L. Budd—Grate Bar.

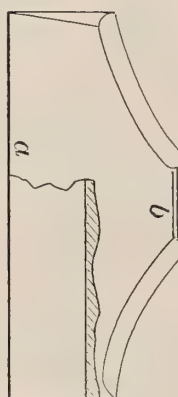
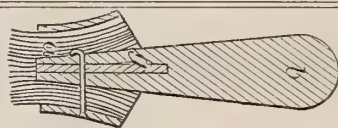




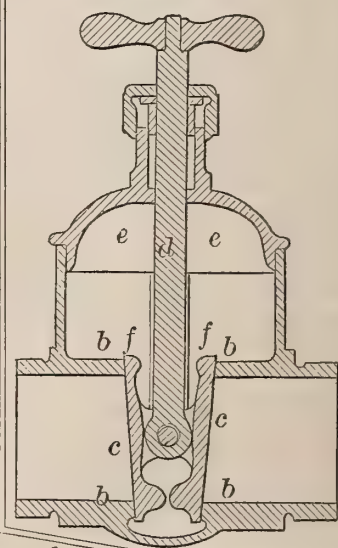
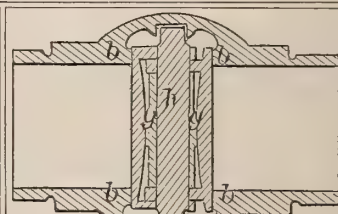
64198—Z. E. Coffin—  
Stop Cock.



64191—T. B. Burtis—Gas  
Condenser and Washer.



64195—W. B. Burnett—Brush Block.



64199—Z. E. Coffin—Valve for Stop Cocks.

64200—Corey & Harper—Type Setting  
Machine.

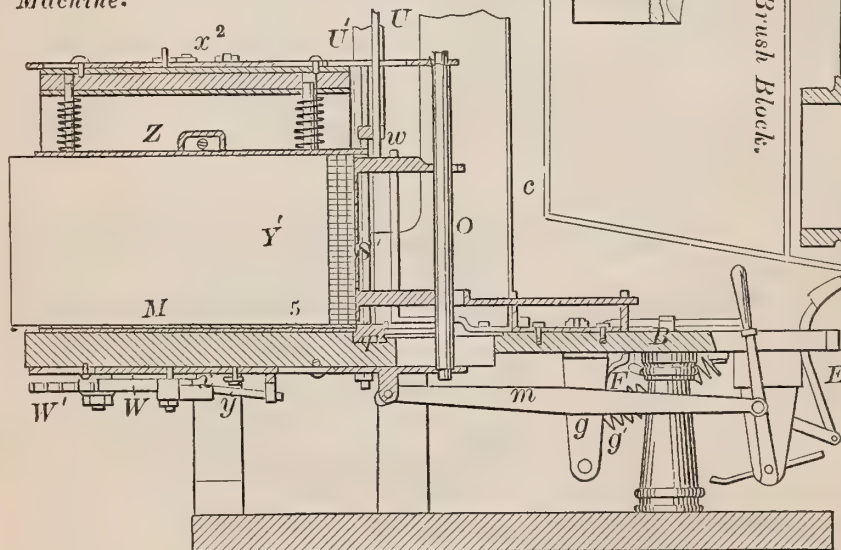
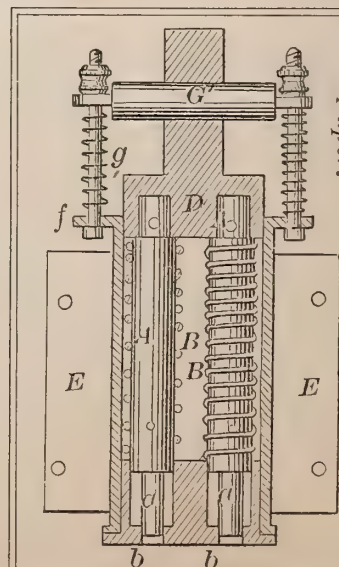
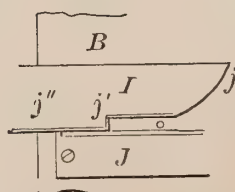
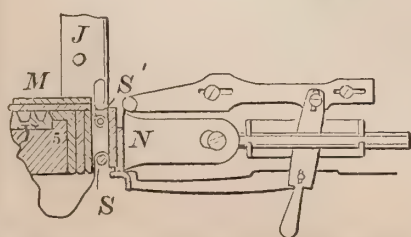
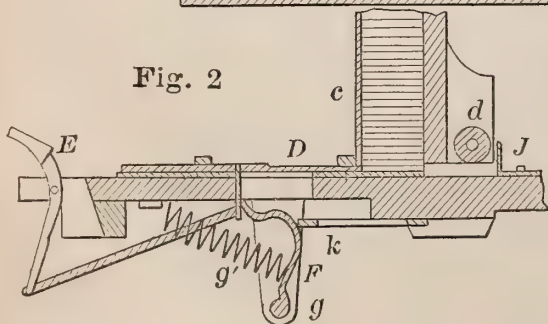
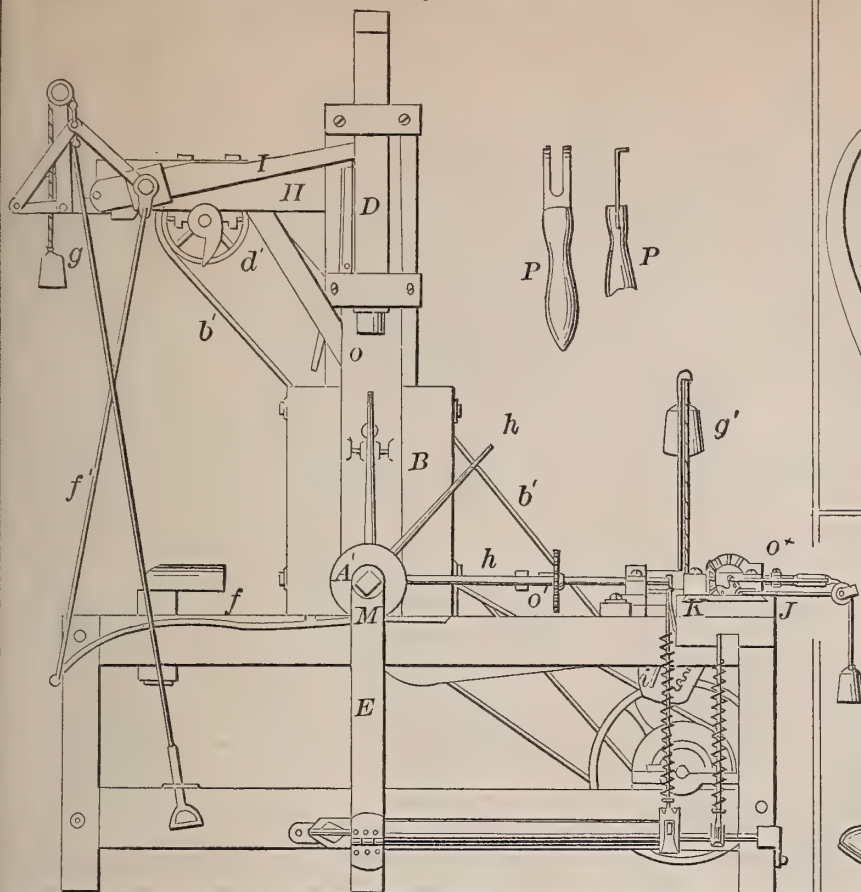


Fig. 2

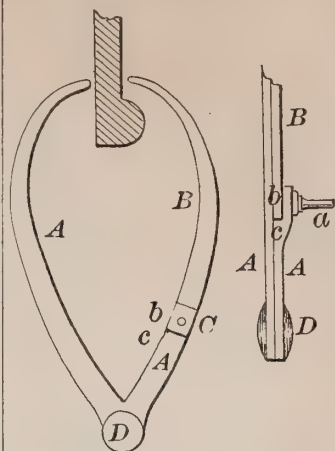


64197—S. M. Clark—For Punching  
Paper.

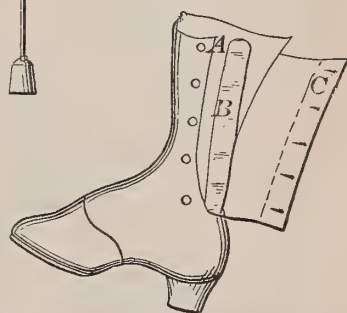
64201—C. W. Corr—Wheelwright's Machine.



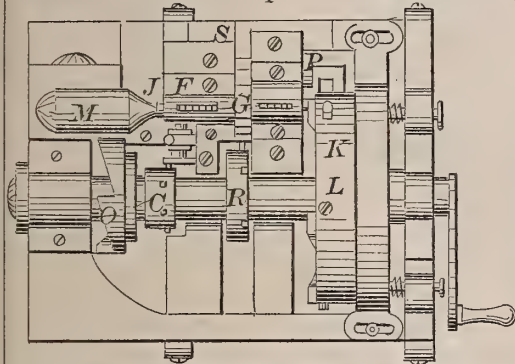
64203—J. H. Culver—Calipers.



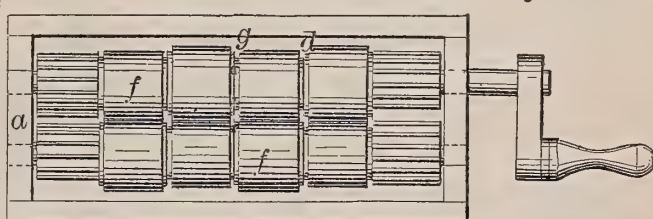
64205—W. A. Deitz—Shoe.



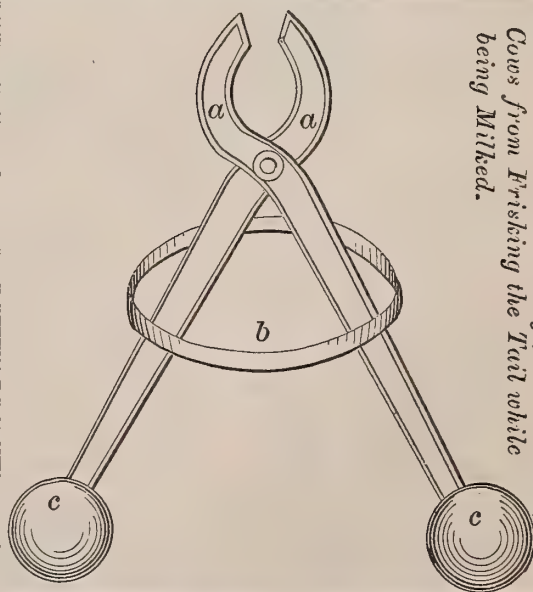
64202—J. E. Crisp—Rivet Machine.



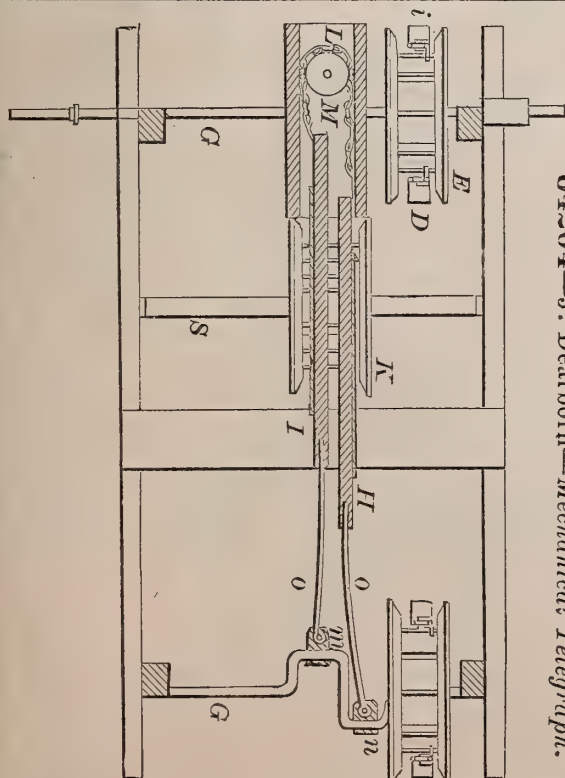
64206 D. A. Dickinson—For Husking Corn.



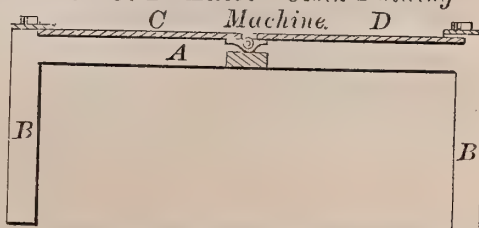
64207—N. Dutton—Clog for Preventing Cows from Frisking the Tail while being Milked.



64204—J. Dearborn—Mechanical Telegraph.



64208—J. D. Elliot—Cloth Folding Machine.





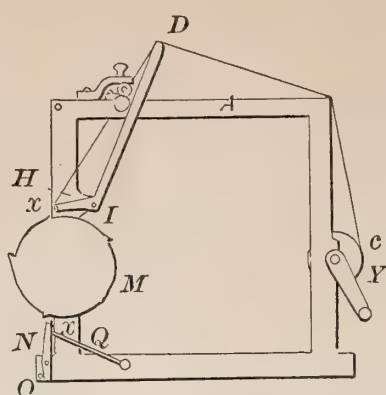
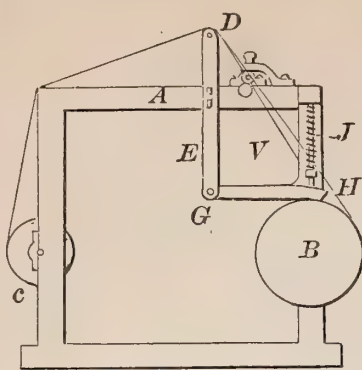
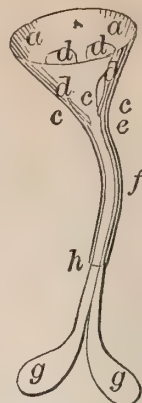
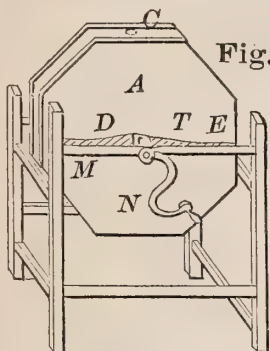
64209—A. B. Ely—*Let-off and Tension for Yarns, &c*64211—D. Ewing—*Pessary.*64210—G. W. Emerson—*Churn.*

Fig. 1

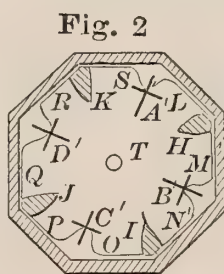


Fig. 2

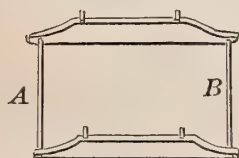
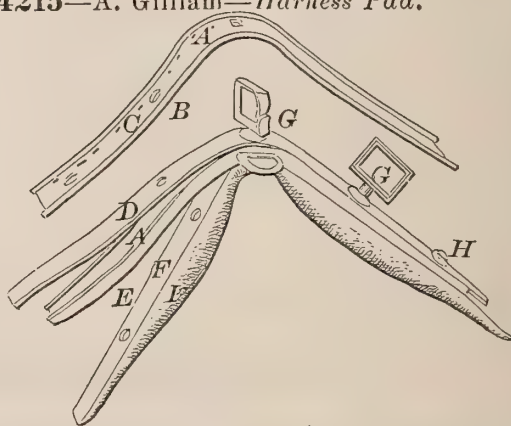
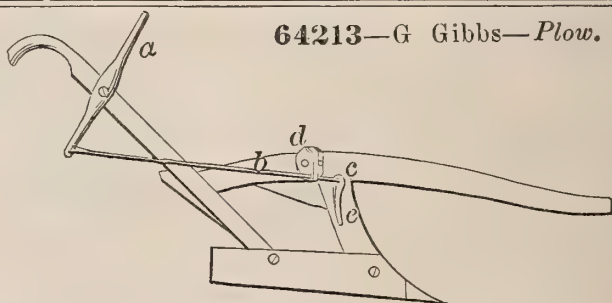
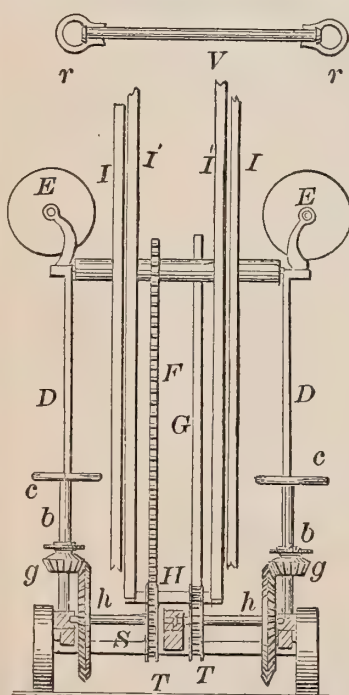
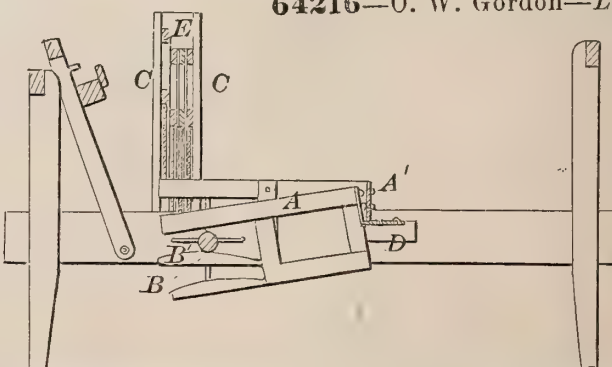
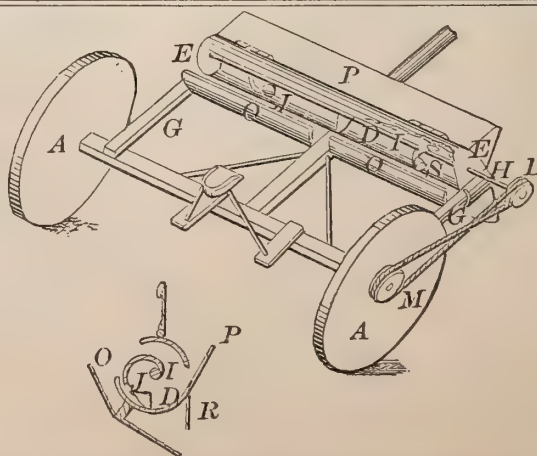
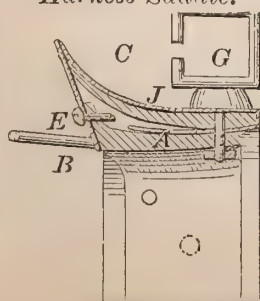
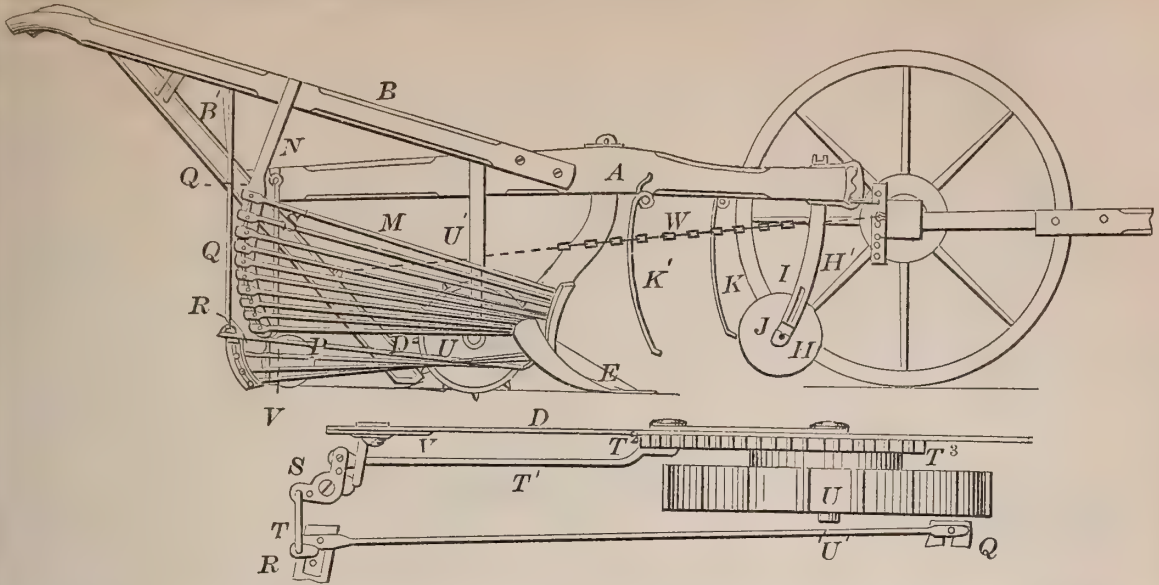


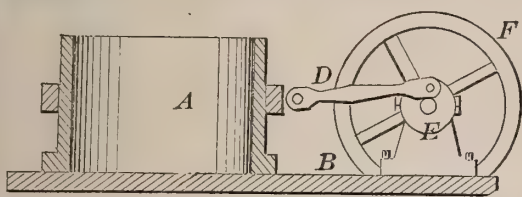
Fig. 3

64215—A. Gilliam—*Harness Pad.*64213—G. Gibbs—*Plow.*64216—O. W. Gordon—*Loom.*64212—G. K. Foster—*Five Ladder.*64214—A. Gilliam—*Harness Saddle.*64217—S. Grenell—*Seed Sower.*

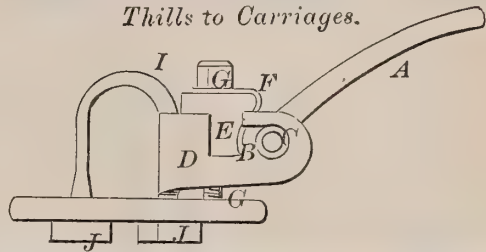
64218—D. B. Hart—*Potato Digger.*



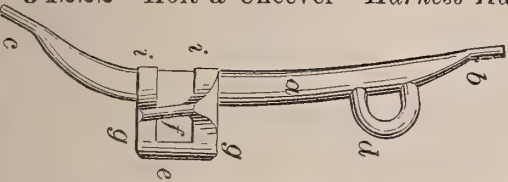
64221—J. Hitchens—*Quartz Mill.*



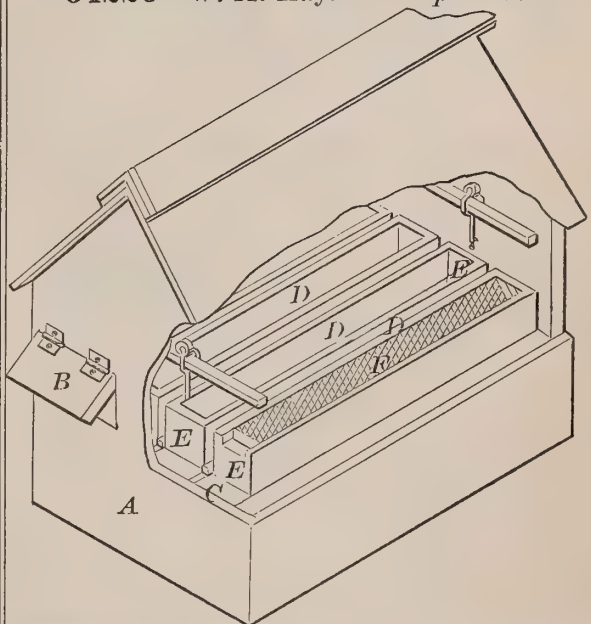
64219—Hartman & Pickert—*Attaching Thills to Carriages.*



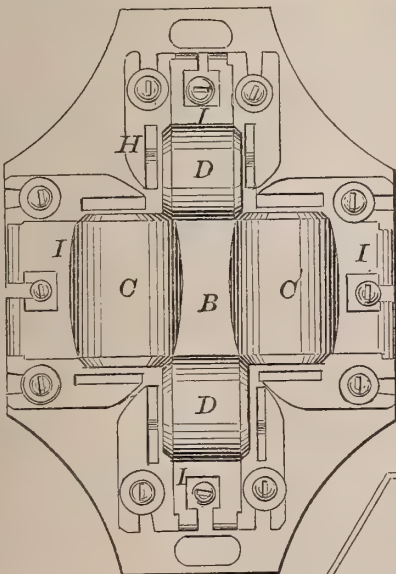
64222—Holt & Cheever—*Harness Hame.*



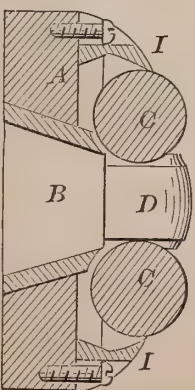
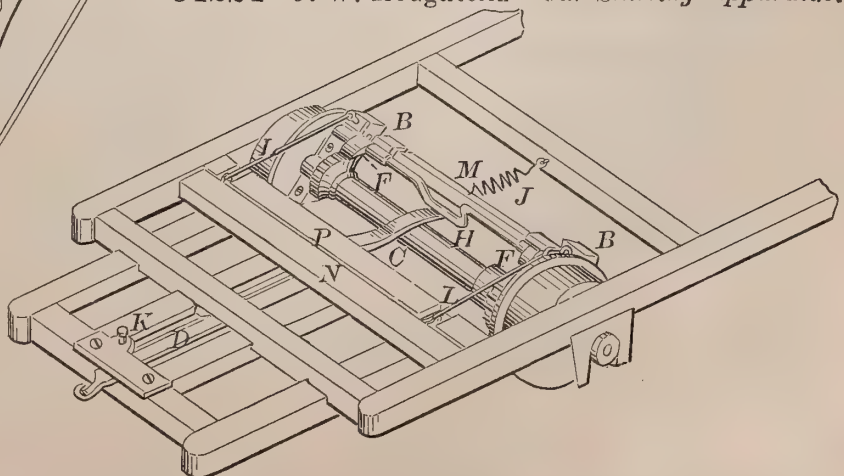
64220—W. M. Haynie—*Hop Kiln.*



64223—Hotchkiss & Buss—*Die for Brick and Tile Machines.*

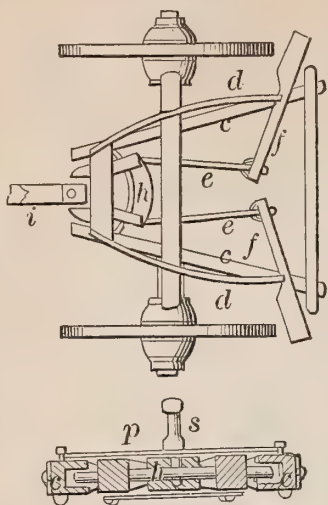


64224—J. W. Houghtelin—*Car Starting Apparatus.*

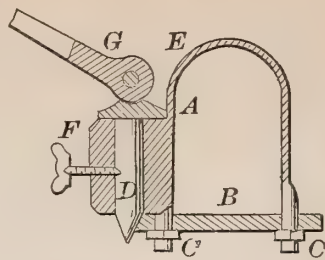




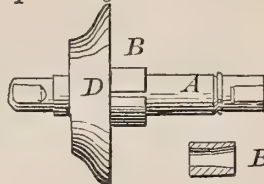
**64225**—S. E. Hyndman—  
*Wagon Brake.*



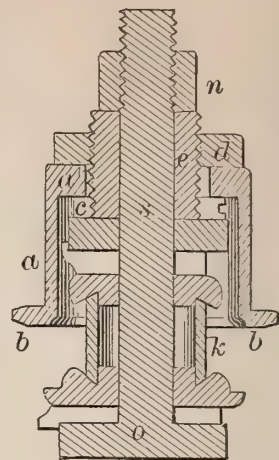
**64226**—J. W. Innis—  
*Thill Coupling.*



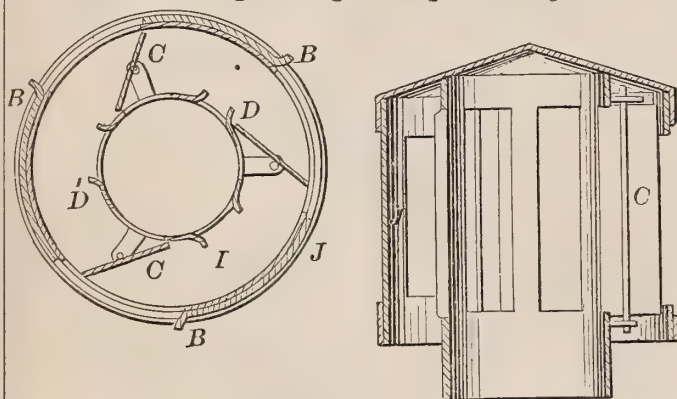
**64234**—J. B. Mallalieu—  
*Expanding Mandrel.*



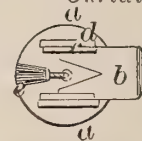
**64227**—D. Jordan—*Cutter Guide for Moulding Machines.*



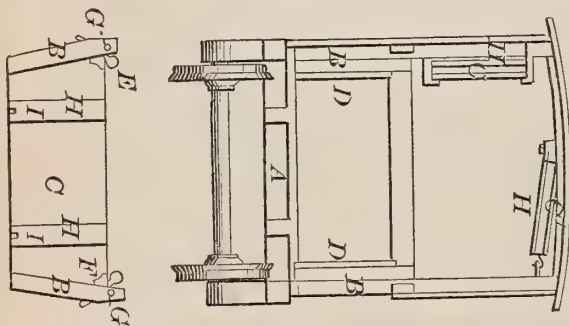
**64229**—J. Kingsborough—*Ship Chimney Jack.*



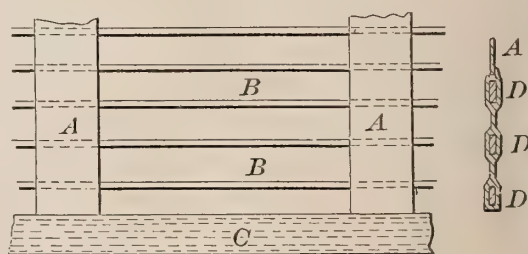
**64230**—W. I. Loughton—  
*Curtain Tassel.*



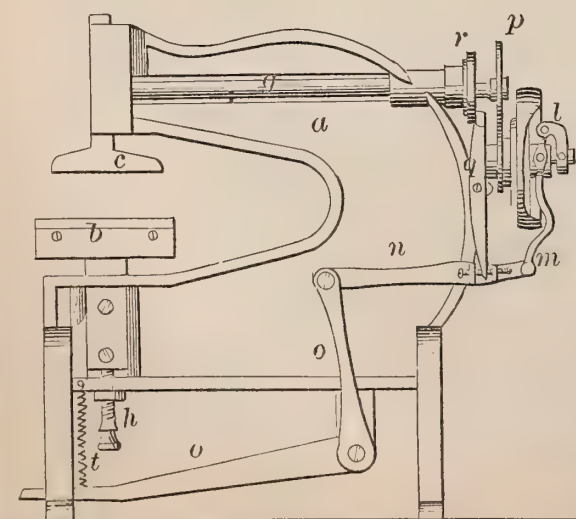
**64236**—B. Martin—*Door for Railway Cars.*



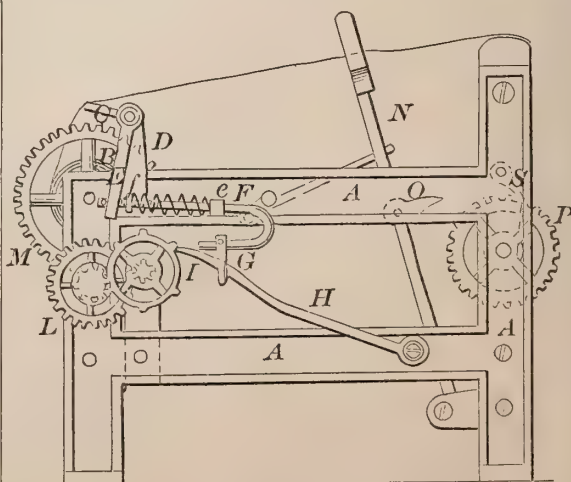
**64231**—J. R. Lattin—*Skirt Hoop.*



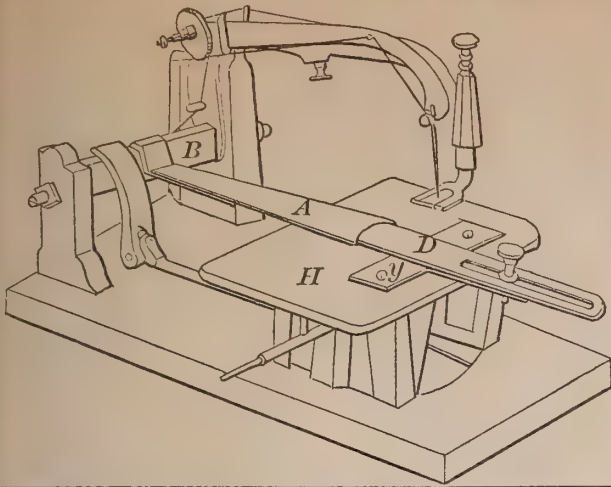
**64228**—Keith & Reed—*Cutting out Leather.*



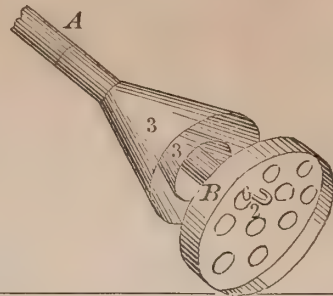
**64235**—J. A. Marden—*Loom.*



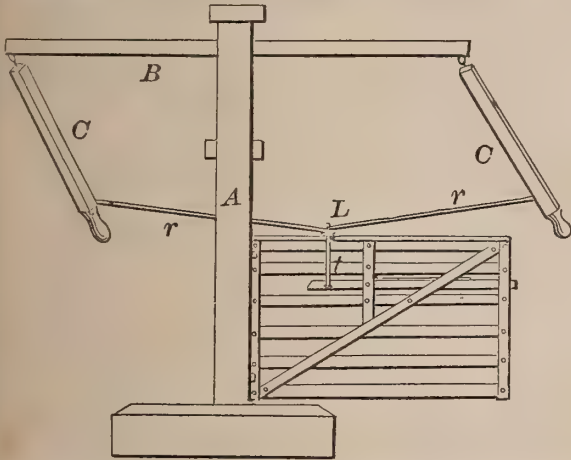
64237—C. Z. Mattison—*Sewing Machine.*



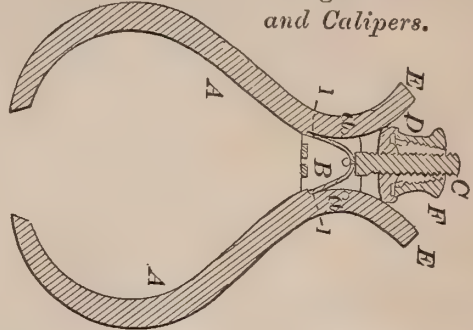
64238—S. McGuffin—*Churn Dasher.*



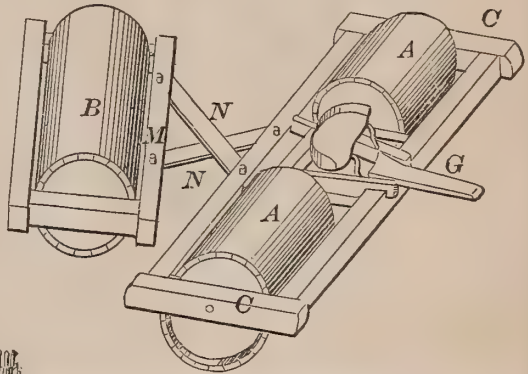
64239—E. R. McKinney—*Gate.*



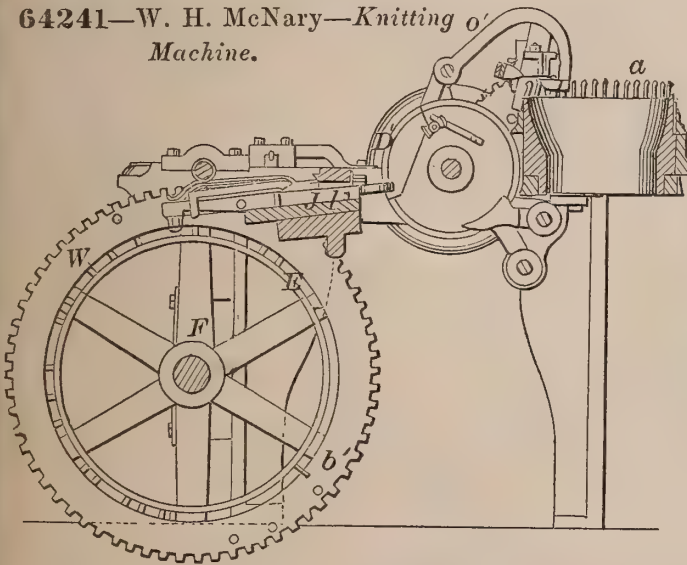
64240—G. L. McKnight—*Dividers and Calipers.*



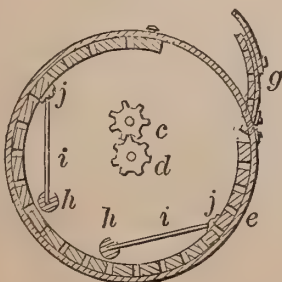
64242—M. Miller—*Land Roller.*



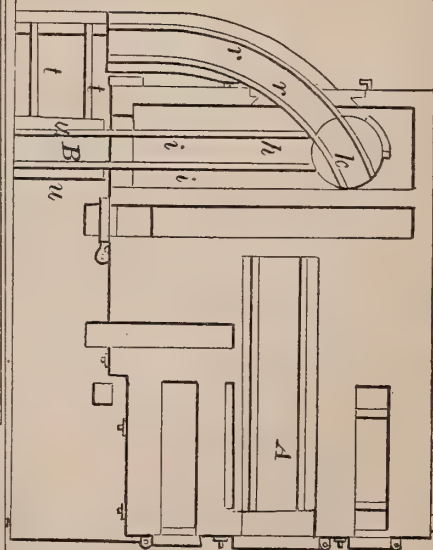
64241—W. H. McNary—*Knitting Machine.*



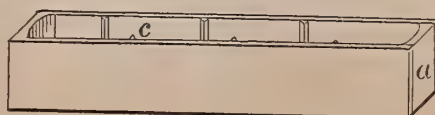
64243—Moorhead & Grier—*Washing Machine.*



64244—Neale & Amede—*Glass Annealing Apparatus.*

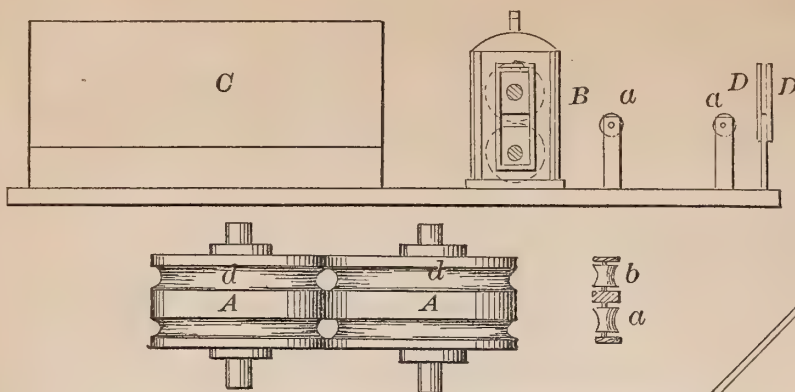


64245—A. B. Newman, Jr.—*Box for Propagating Plants.*

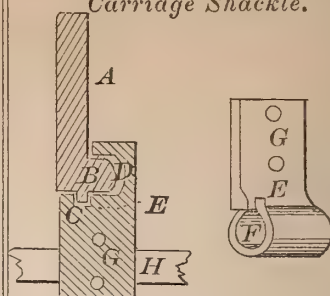




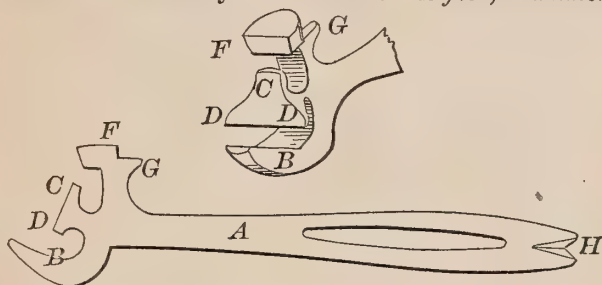
64246—J. Nicholson—For Manufacturing Lap Welded Tubes.



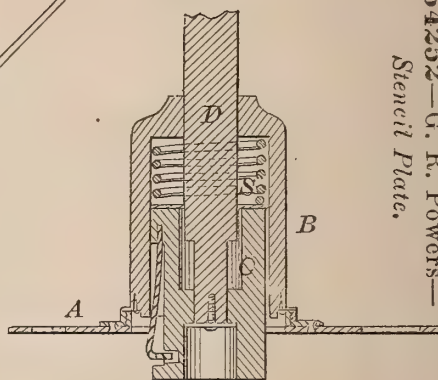
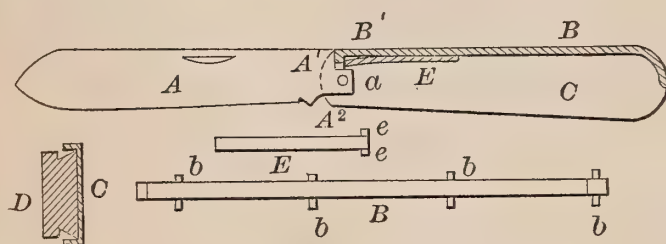
64249—G. T. Pearsall—Carriage Shackle.



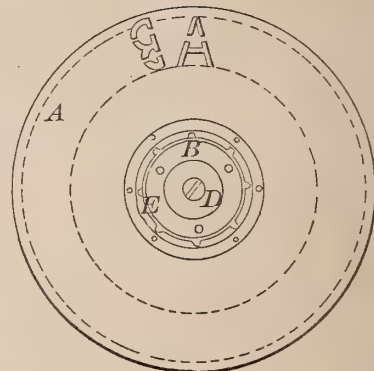
64247—J. B. Oky—Stove Cover Lifter, Hammer, &amp;c.



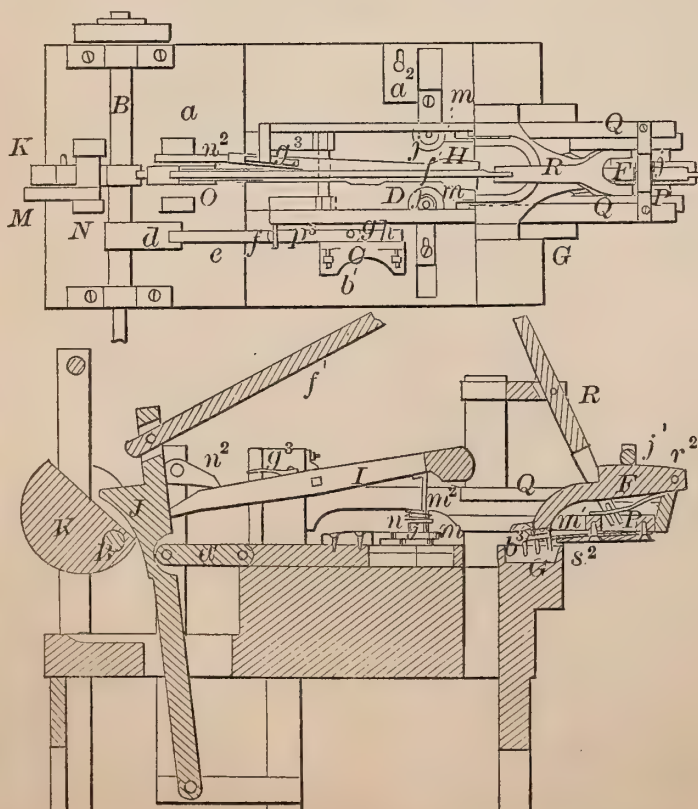
64248—C. H. Palmer—Pocket Knife.



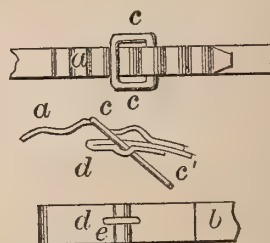
64252—G. R. Powers—Stencil Plate.



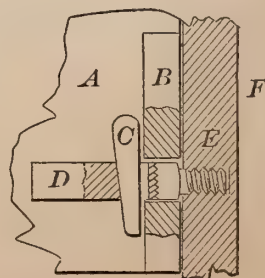
64254—D. T. Robinson—For Making Horse Shoes.



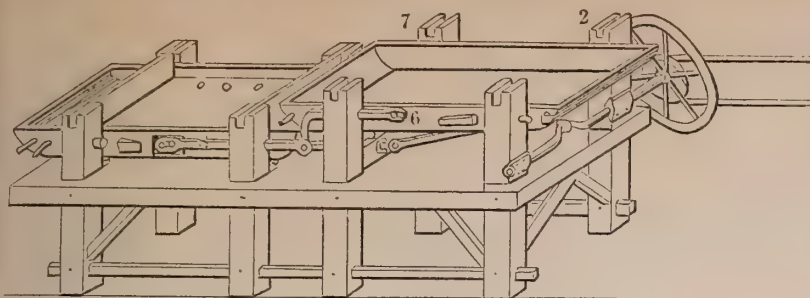
64255—S. Rogers—Cotton Bale Tie.



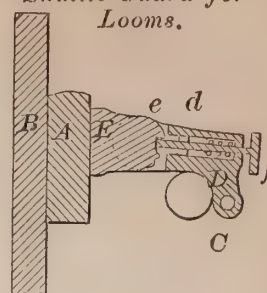
64257—A. Schlingman—Bedstead Fastening.



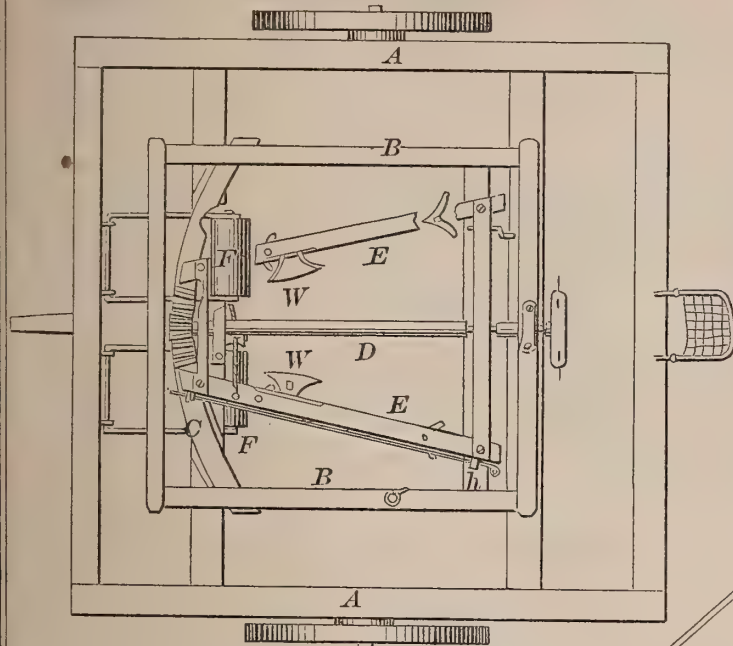
64258—Senzat & Knowlton—Amalgamator.



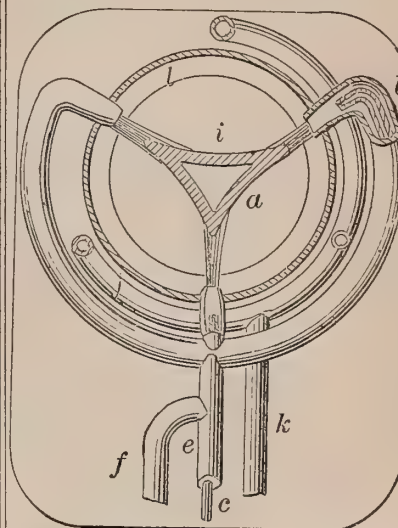
64261—E. M. Stevens—Shuttle Guard for Looms.



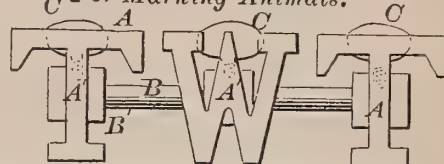
64262—J. P. Tarnutzer—Cultivator.



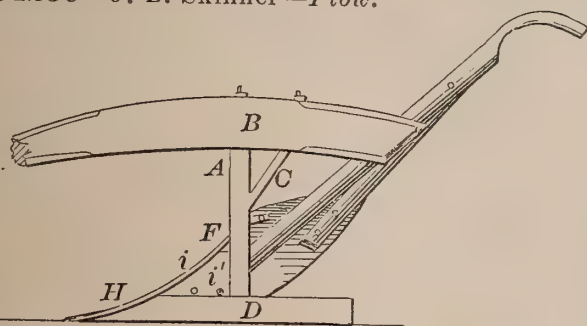
64260—G. O. Spence—Burning Petroleum, &c.



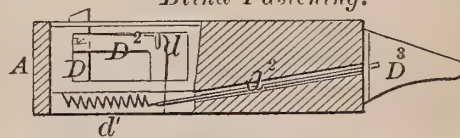
64263—H. Thompson—Brand C For Marking Animals.



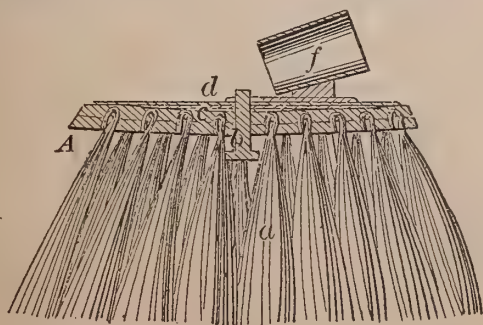
64259—J. B. Skinner—Plow.



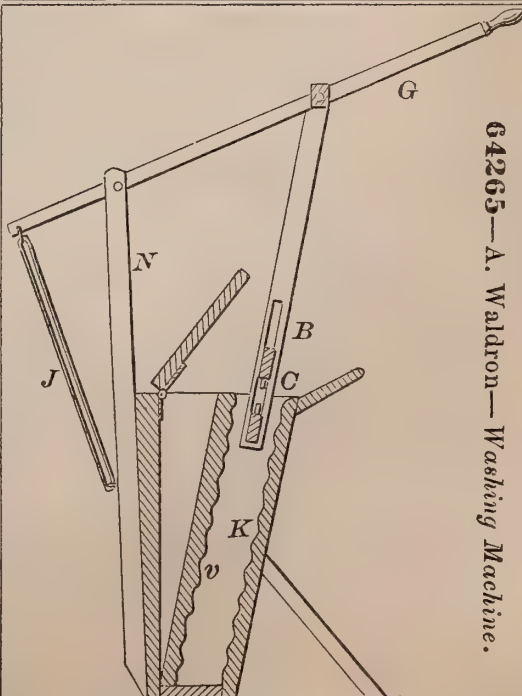
64264—L. M. Townsley—Window Blind Fastening.



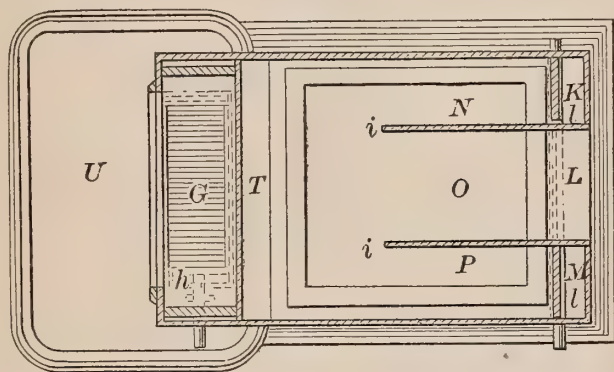
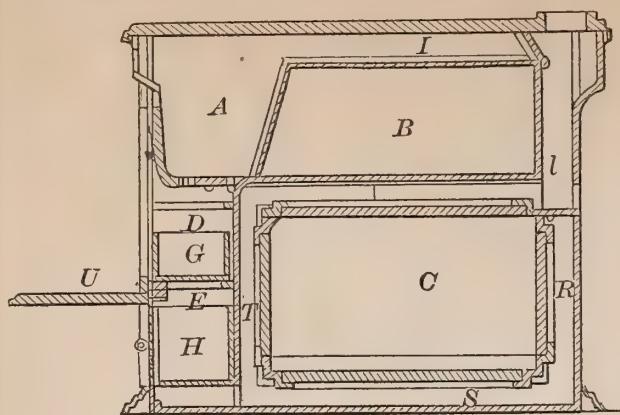
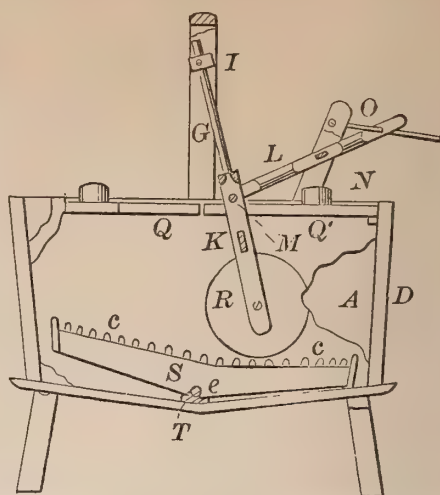
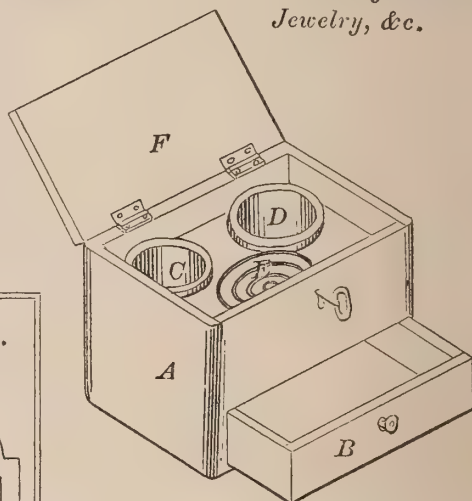
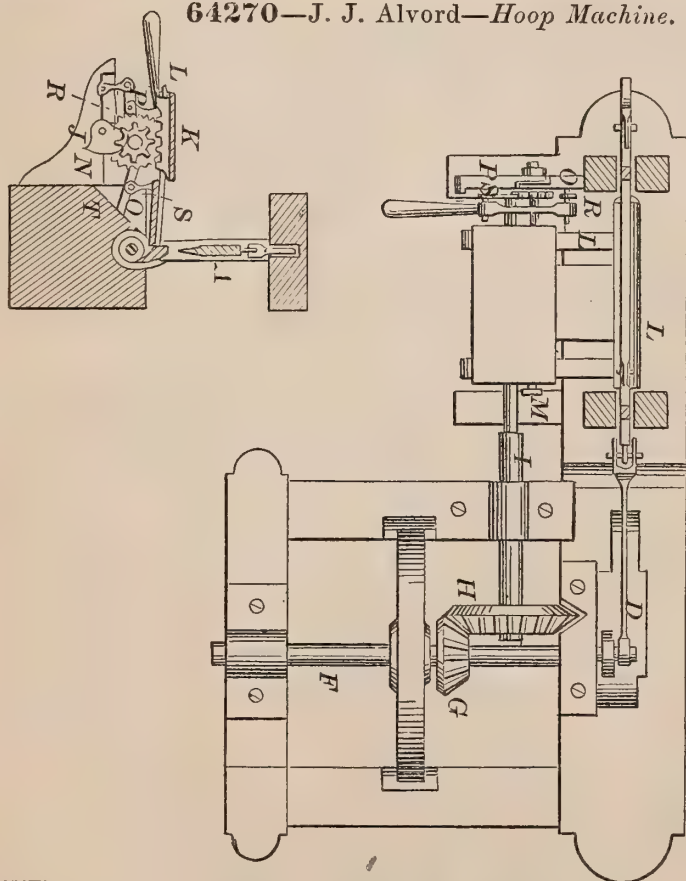
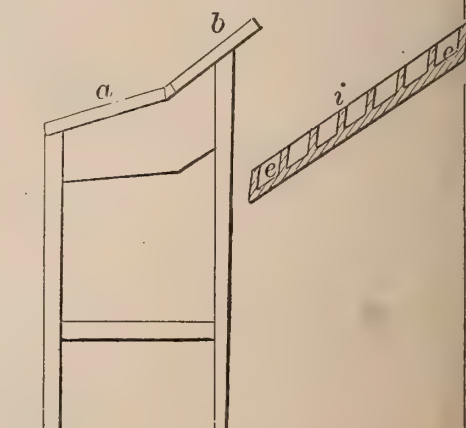
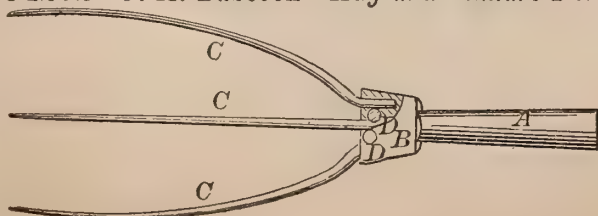
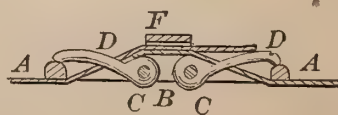
64266—J. S. White—Window Brush.



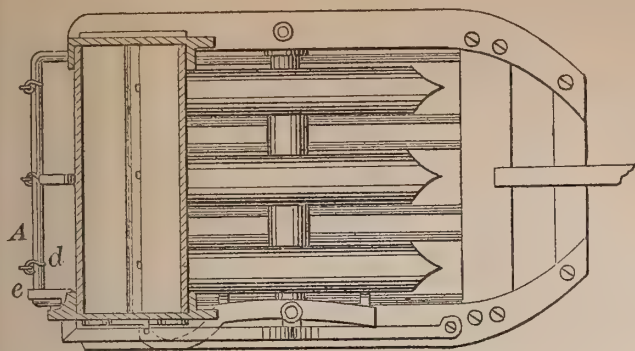
64265—A. Waldron—Washing Machine.



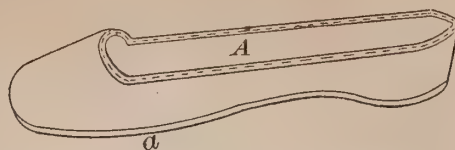


64267—C. Williams—*Cooking Stove.*64268—D. Williams—*Washing Machine.*64271—J. Annin—*Cleaning Watches, Jewelry, &c.*64270—J. J. Alvord—*Hoop Machine.*64269—C. L. Alexander—*Printer's Type Case.*64272—J. K. Babcock—*Hay and Manure Fork.*64273—J. Barrow—*Buckle.*

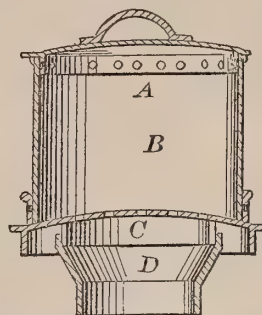
64274—P. D. Beckwith—*Grain Drill.*



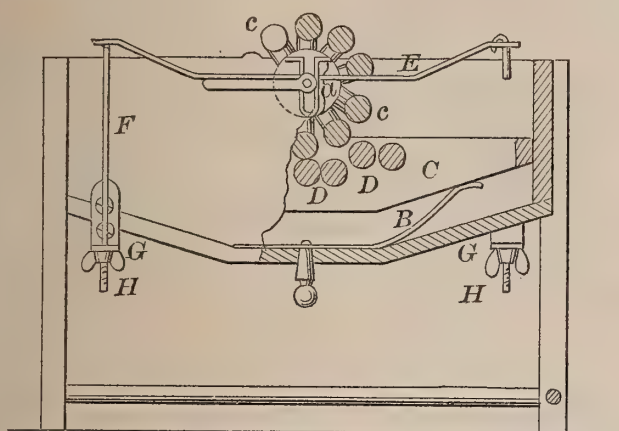
64277—C. R. Broadbent—*Slippers.*



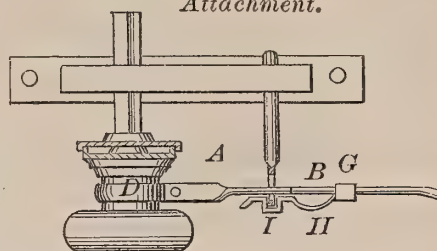
64278—R. Broome—*For Frying, Steaming, &c.*



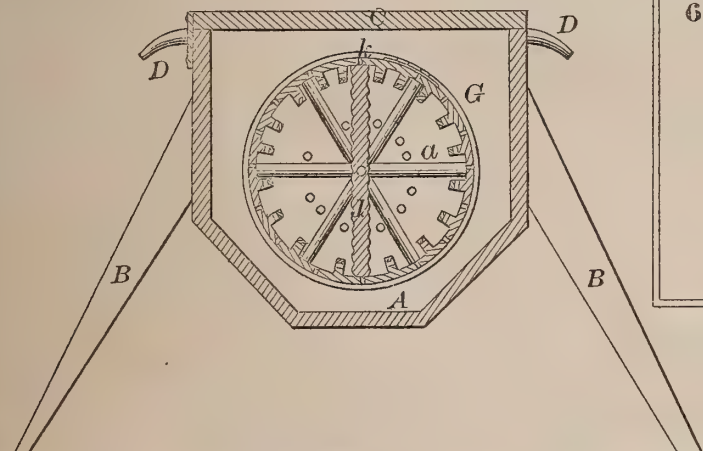
64275—G. W. Benton—*Washing Machine.*



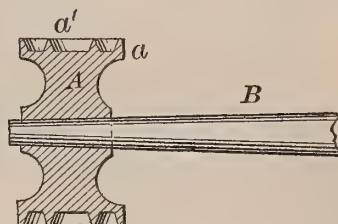
64281—D. E. Campbell—*Door Key Attachment.*



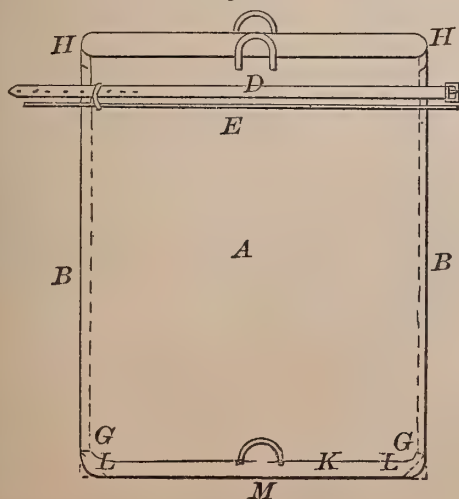
64276—J. W. Bradley—*Washing Machine.*



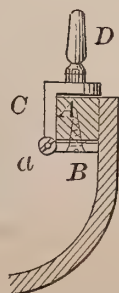
64279—A. H. Brown—*Meat Hammer.*



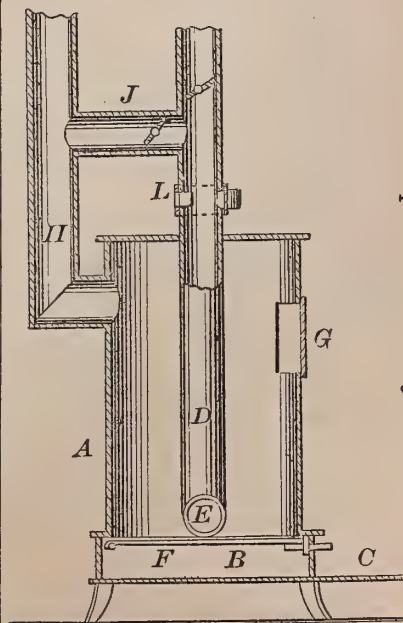
64283—W. B. Coates—*For Preserving Ice.*



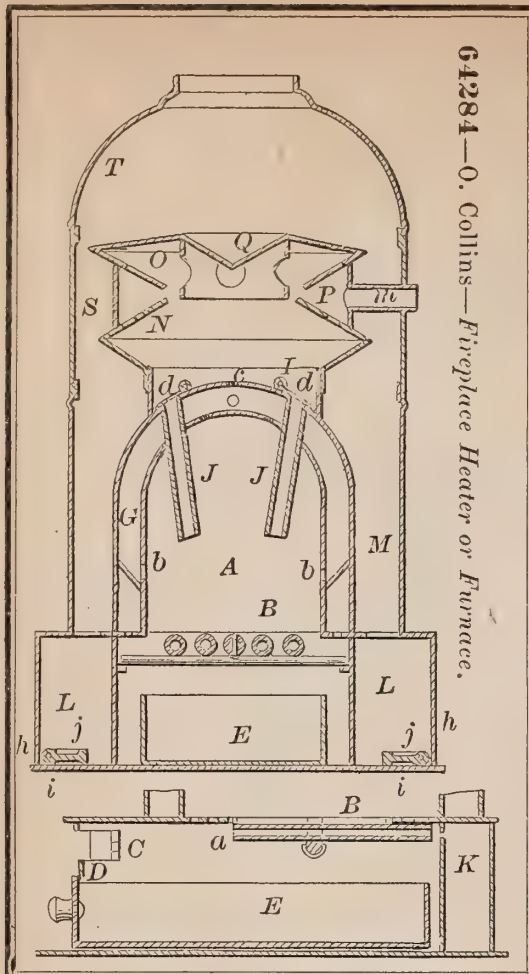
64280—G. W. Browne—*Row Lock.*



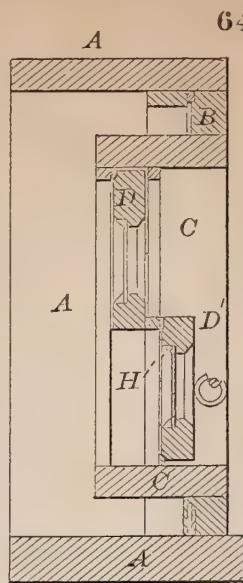
64282—W. W. Carpenter—*Heating Stove.*



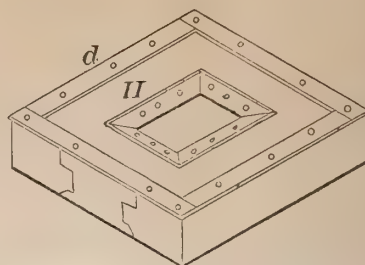




64284—O. Collins—Fireplace Heater or Furnace.

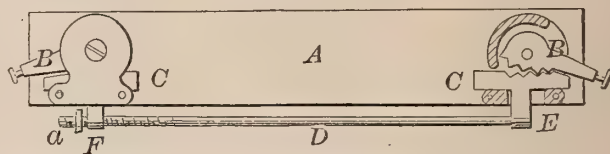


64288—G. Dewey—Window Sash.

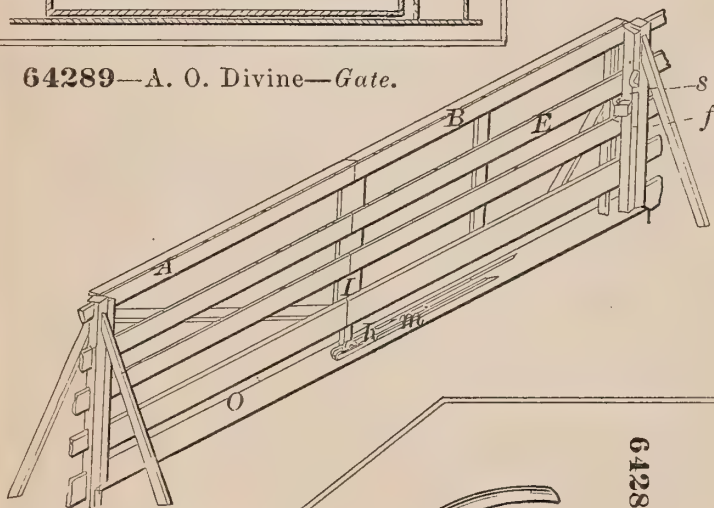


64287—J. C. K. Crooks—For Artificial Teeth.

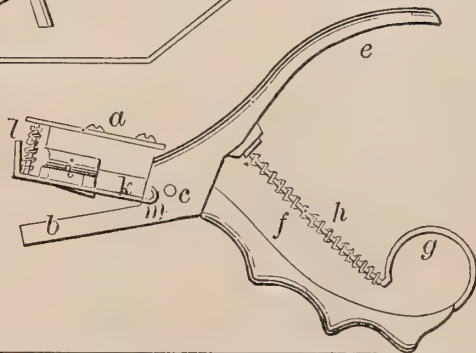
64290—E. N. Dodge—Whiffletree.



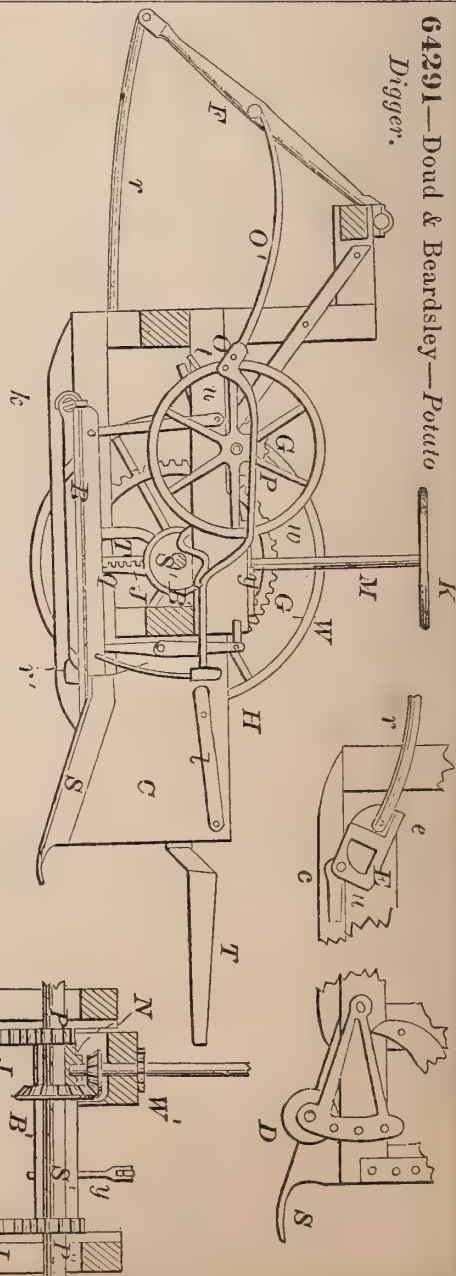
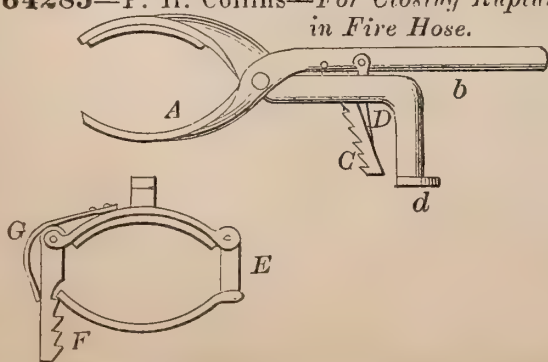
64289—A. O. Divine—Gate.



64286—Crocker &amp; Field—Ticket Cutter.

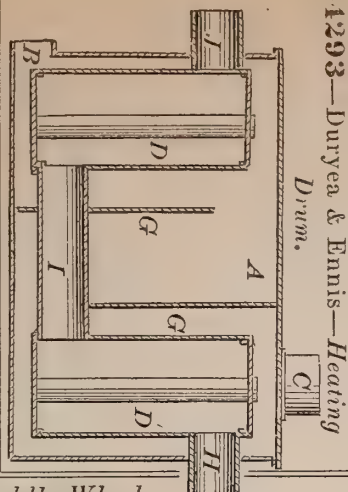
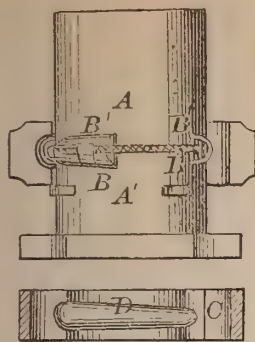


64285—P. H. Collins—For Closing Ruptures in Fire Hose.



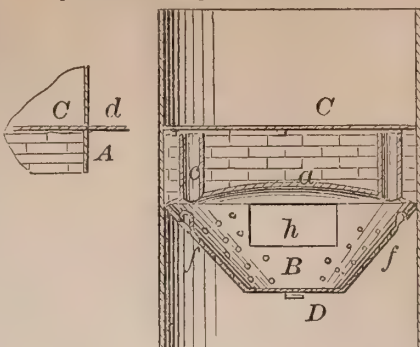
64291—Doud &amp; Beardsley—Potato Digger.

64292—J. W. Douglas—  
Hose Coupling.

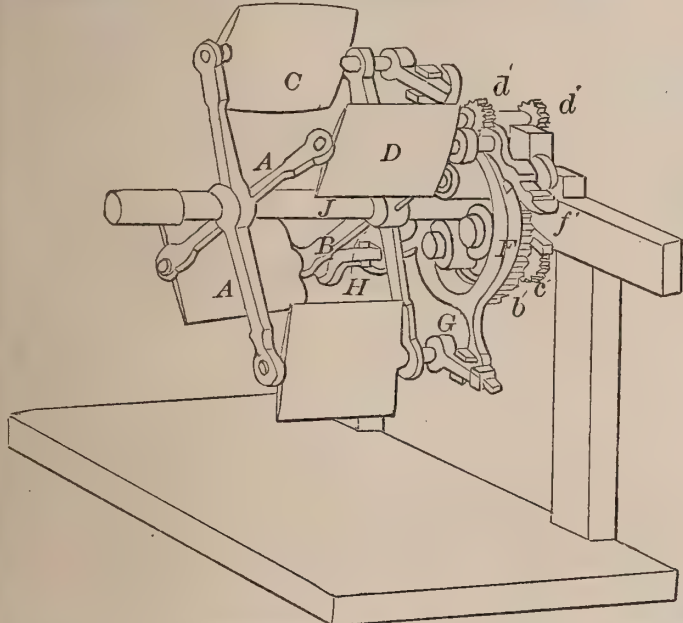


64293—Duryea & Ennis—Heating  
Drum.

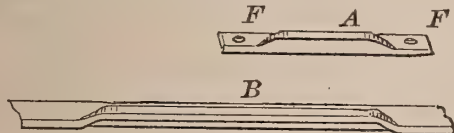
64294—Duryea & Ennis—Furnace  
for Burning Sawdust, &c.



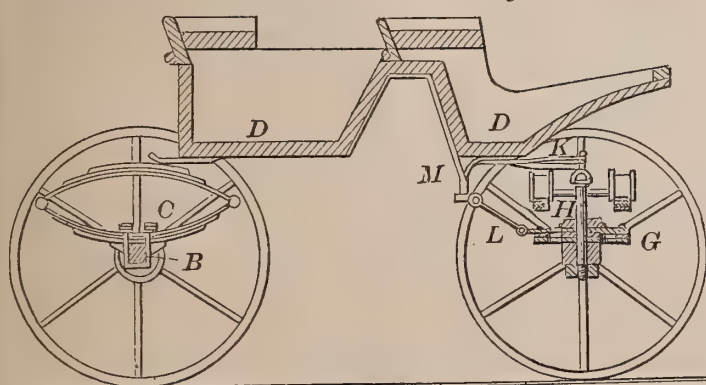
64295—N. T. Edson—Paddle Wheel.



64297—B. M. Esterle—Railroad Rail.



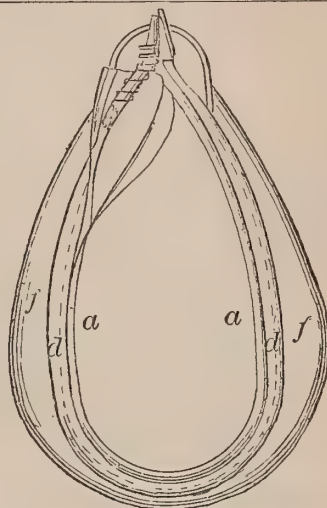
64299—T. A. & A. F. Fisher—Carriage.



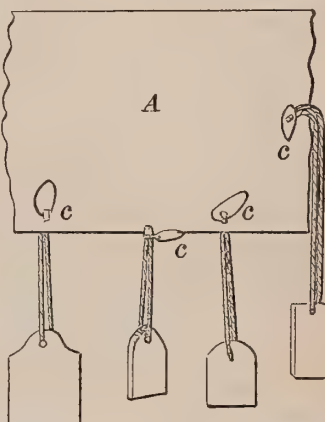
64300—W. Fitzgerald—Button Hole Cutter.



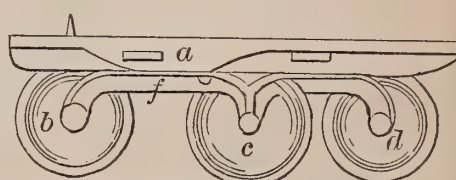
64296—E. P. Edstrom—Horse  
Collar.



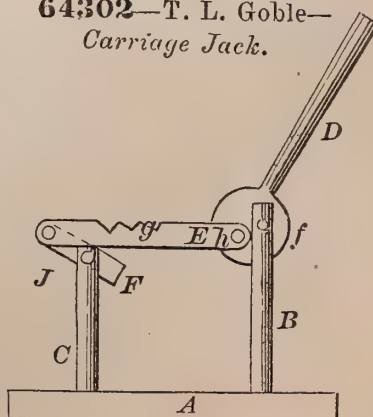
64298—S. B. Fay—String Tag.



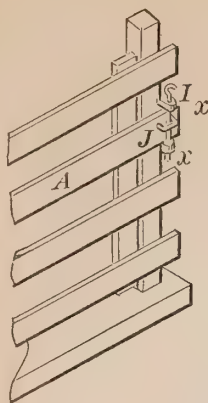
64301—G. Flint—Parlor Skate.



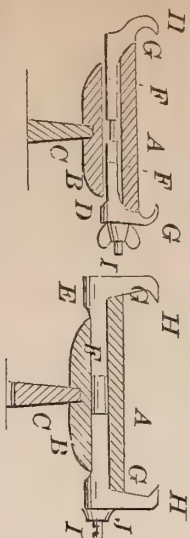
64302—T. L. Goble—  
Carriage Jack.





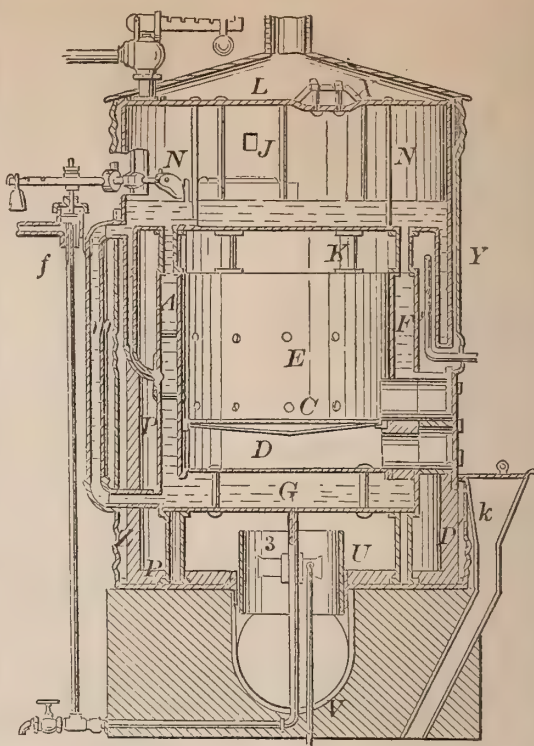


64303—J. &amp; W. B. Goff—Gate.

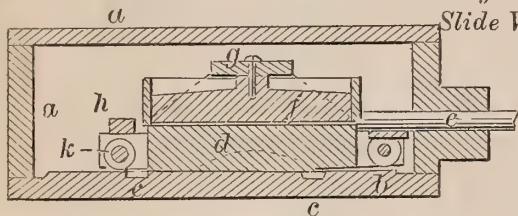


64304—C. Gooch—Slide.

64306—C. H. Gould—Steam Generator.

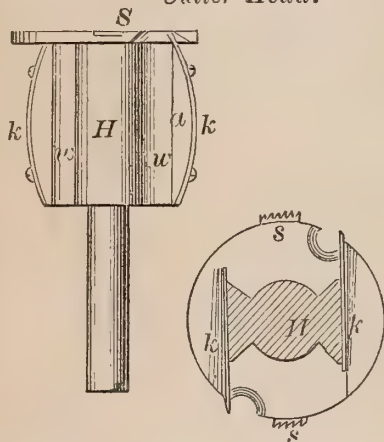


64305—Goodrich &amp; Mason—Steam Engine

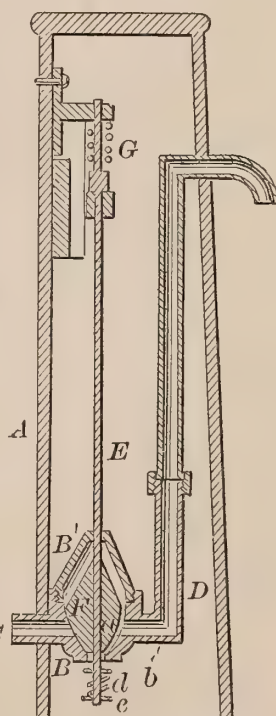


Slide Valve.

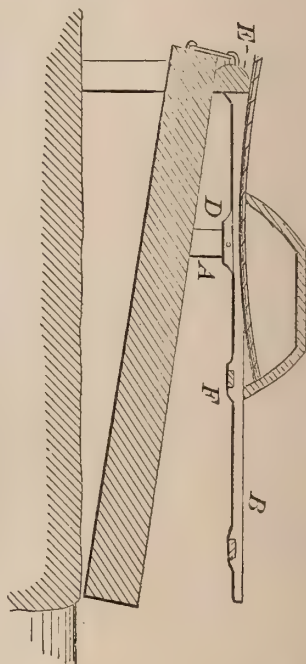
64308—J. L. Graham—Tenoning Cutter Head.



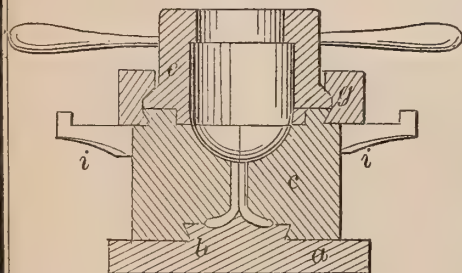
64307—D. R. Gould—Hydrant.



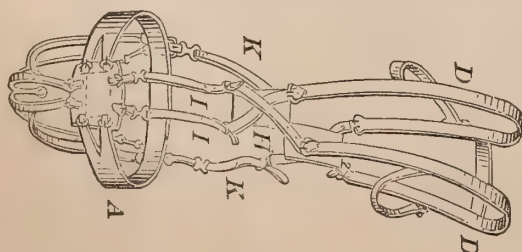
64309—J. Granger—Boat Builder's Platform.



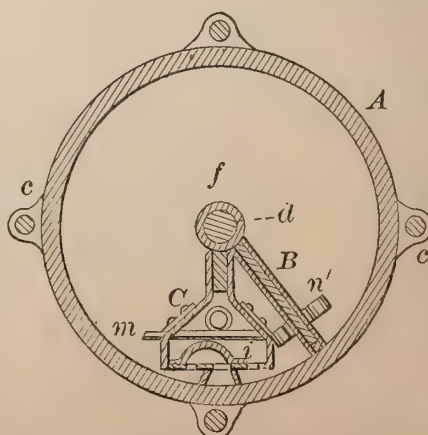
64312—R. E. Haines—Glass Ware Mould.



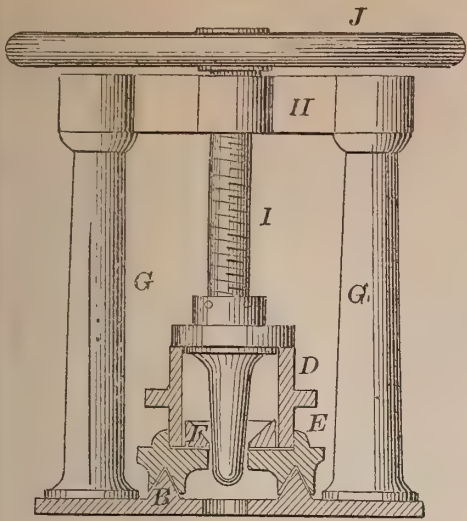
64311—P. S. Greenamyer—Supporter.



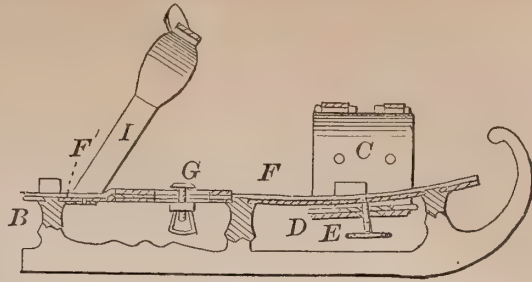
64310—T. Green—Water Meter.



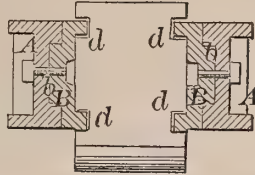
**64313**—L. M. Hart—*For Pressing Tuyeres.*



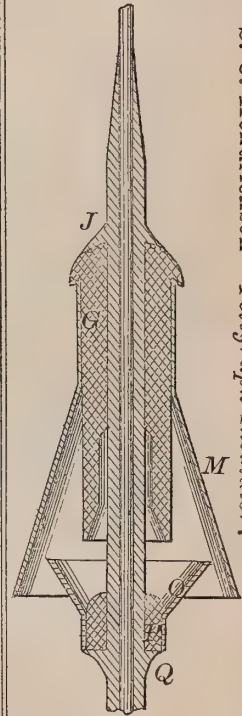
**64314**—J. Hartman, Jr.—*Skate.*



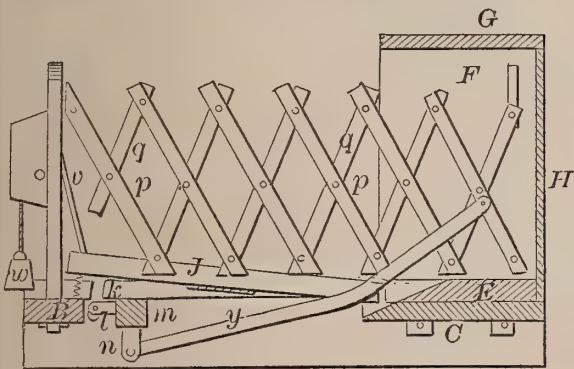
**64316**—R. Hitchcock—*Guide for Axle Boxes.*



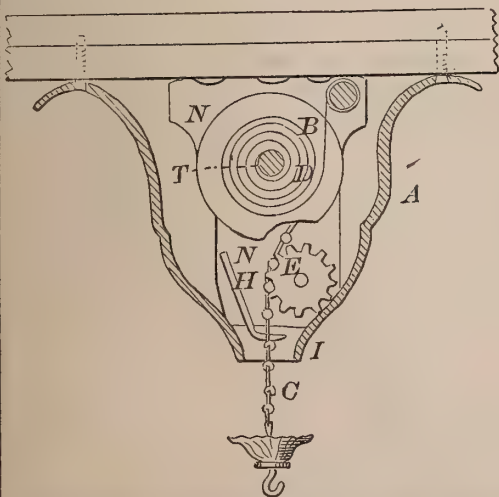
**64315**—S. C. Hendrickson—*Telegraph Insulator.*



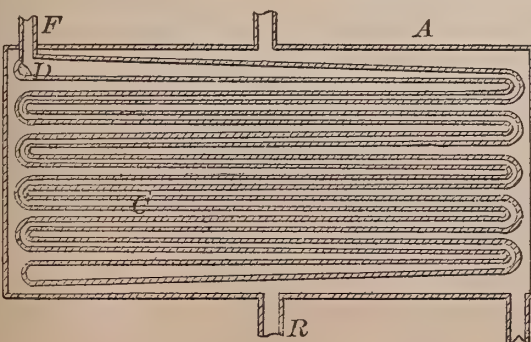
**64317**—W. Holdredge—*Gate.*



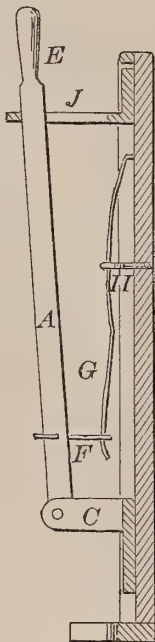
**64319**—D. T. Hubbell—*For Suspending Lamps.*



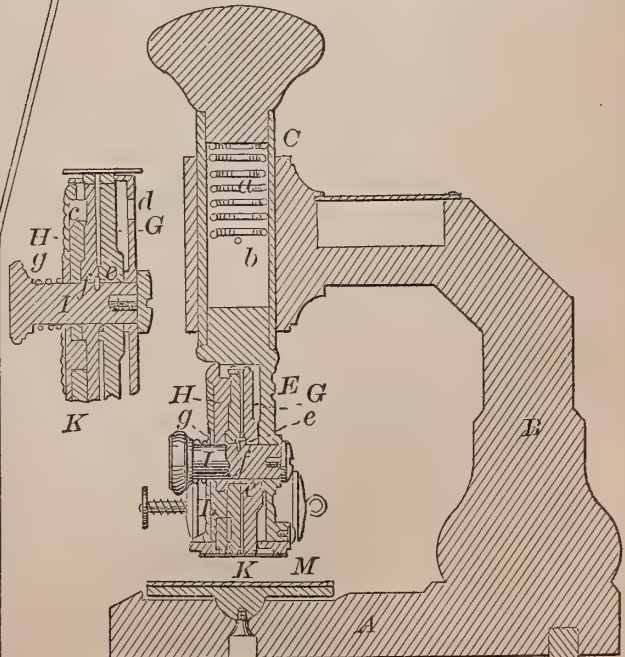
**64321**—B. Irving—*For Concentrating Extract of Bark for Tanning.*



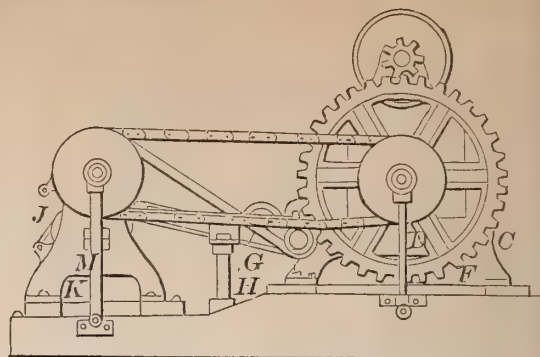
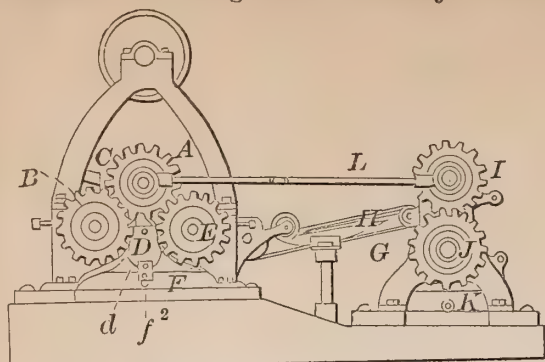
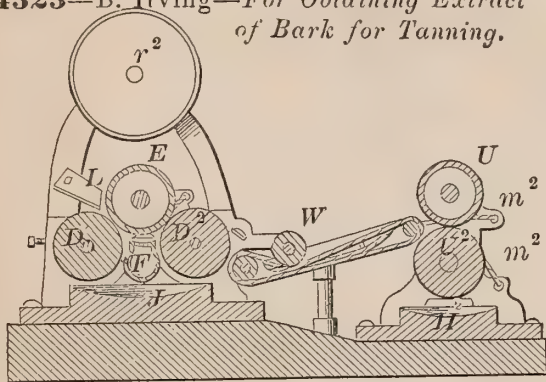
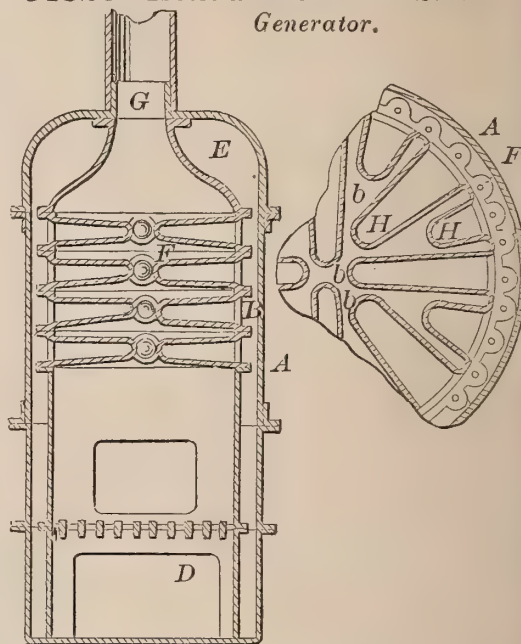
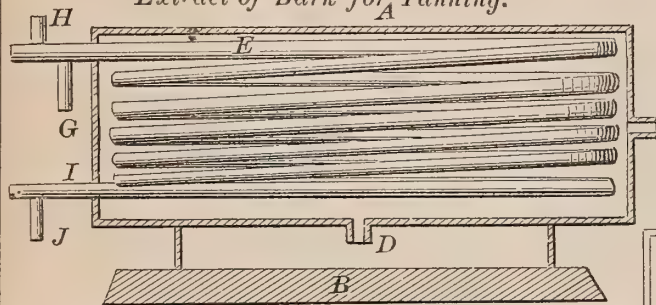
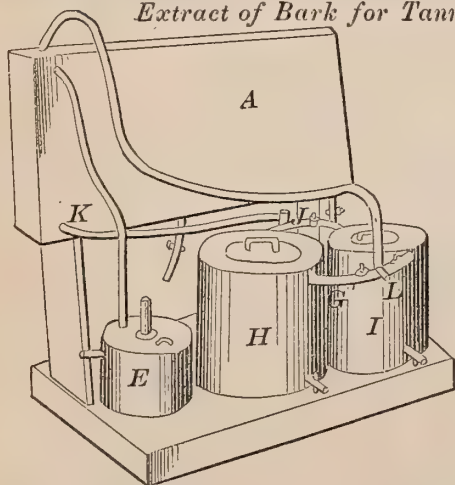
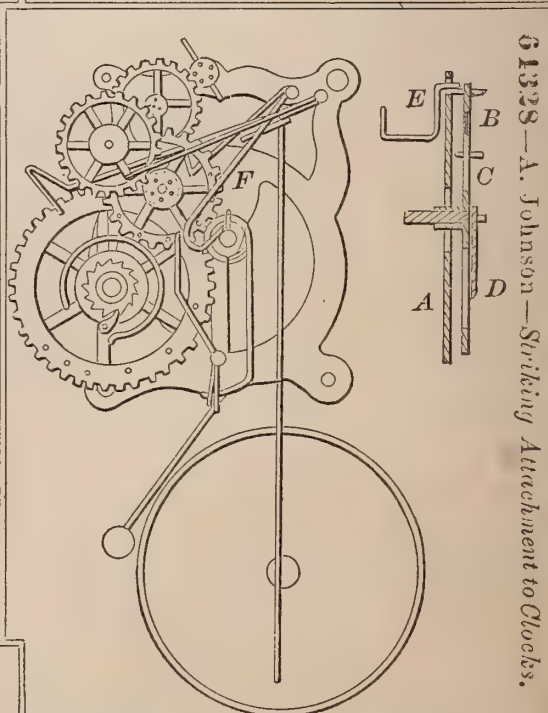
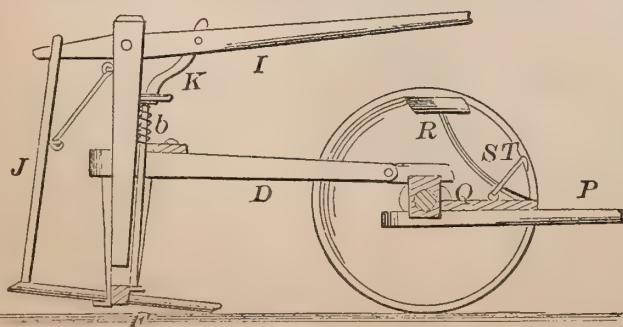
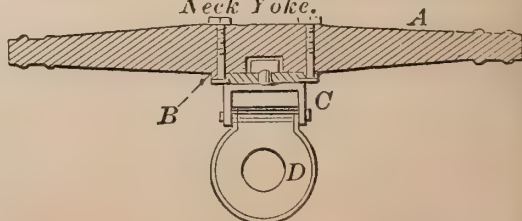
**64318**—P. Howe—*Hand Spring for Machinery.*



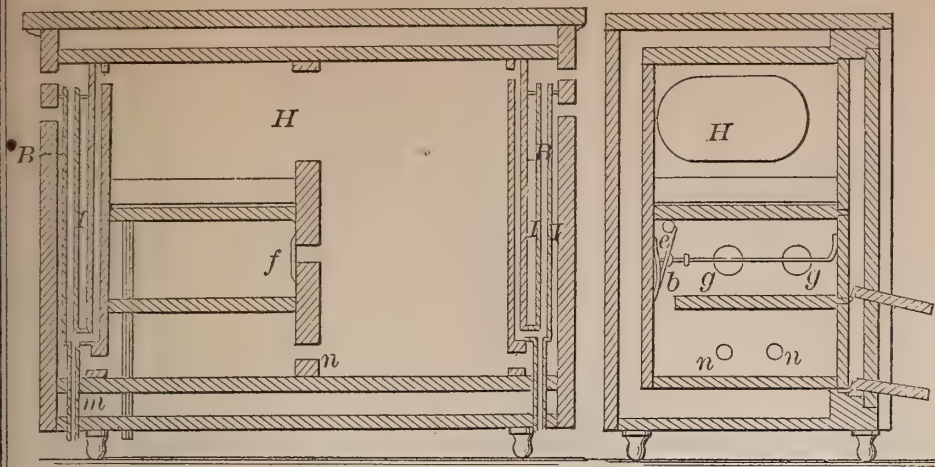
**64320**—T. S. Hudson—*Hand Stamp.*





**64322**—B. Irving—*For Obtaining Extract of Bark for Tanning.***64323**—B. Irving—*For Obtaining Extract of Bark for Tanning.***64326**—Isbell & Mackenzie—*Steam Generator.***64325**—B. Irving—*For Concentrating Extract of Bark for Tanning.***64324**—B. Irving—*For Concentrating Extract of Bark for Tanning.***64329**—S. A. & L. M. Kays—*Horse Rake.***64328**—A. Johnson—*Striking Attachment to Clocks.***64327**—J. Jacobs—*Self-Adjusting Neck Yoke.*

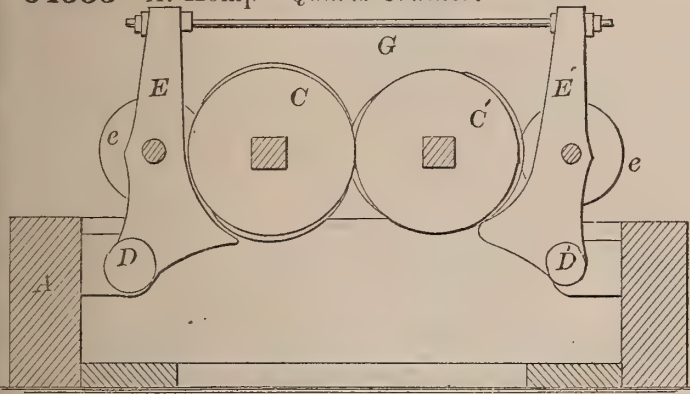
64330—Kidder & Shorey—Refrigerator.



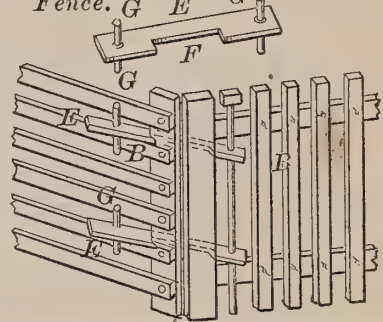
64332—Knapp & Pease—Well Tube.



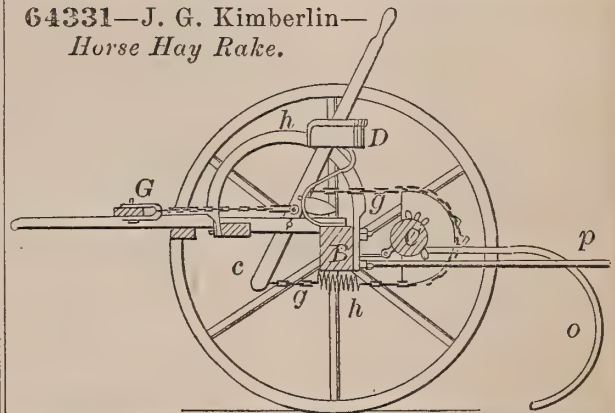
64333—A. Komp—Quartz Crusher.



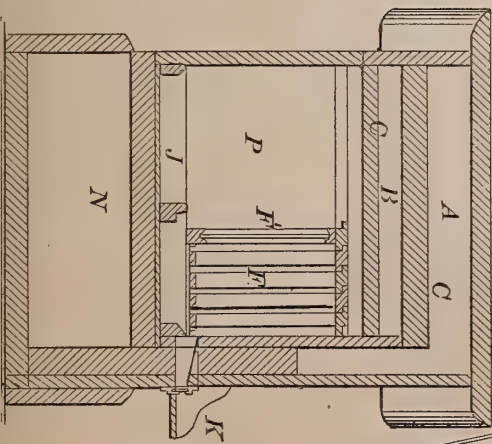
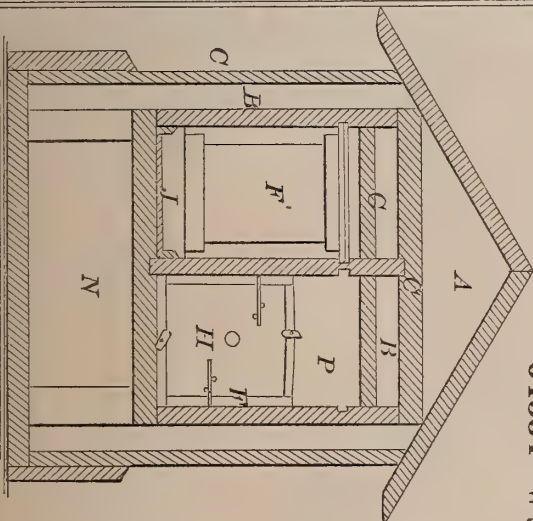
64335—I. L. Landis—Portable Fence.



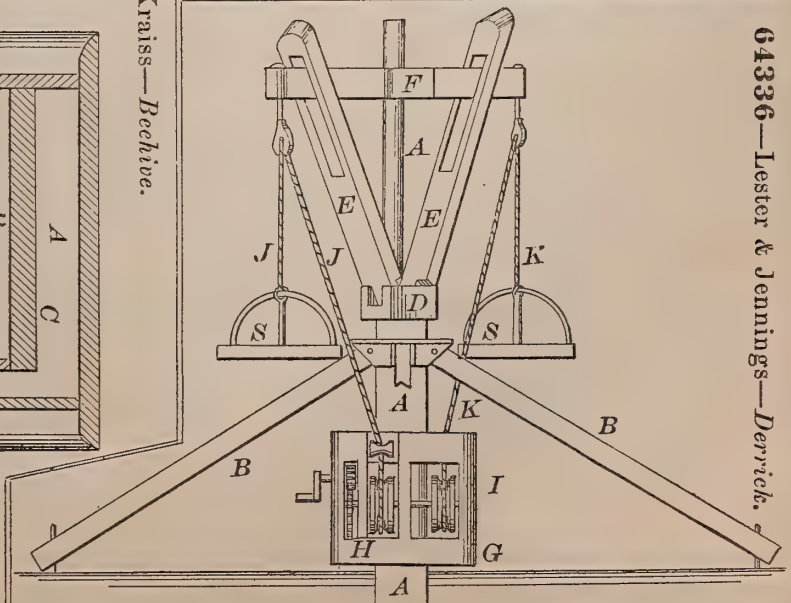
64331—J. G. Kimberlin—Horse Hay Rake.



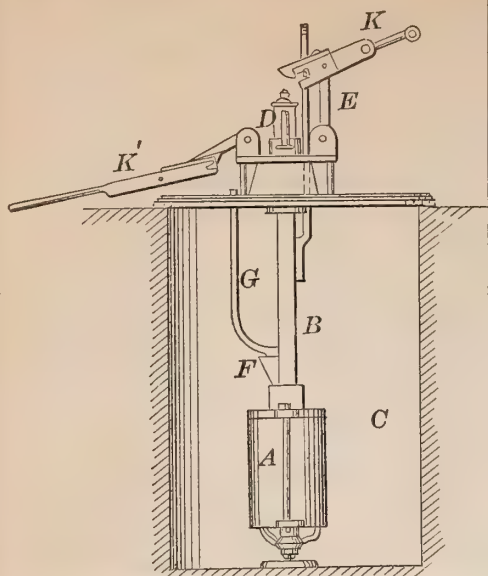
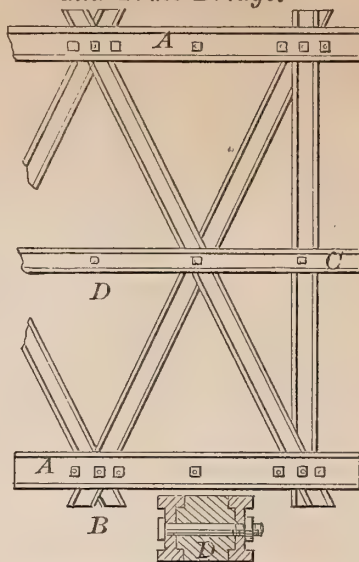
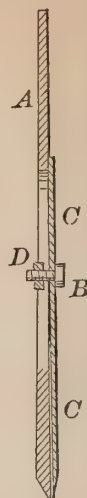
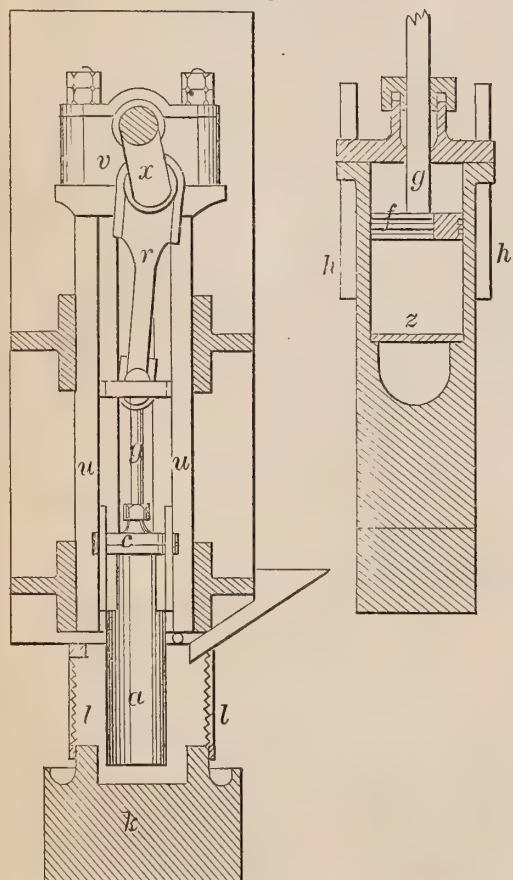
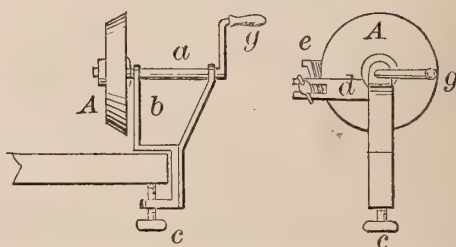
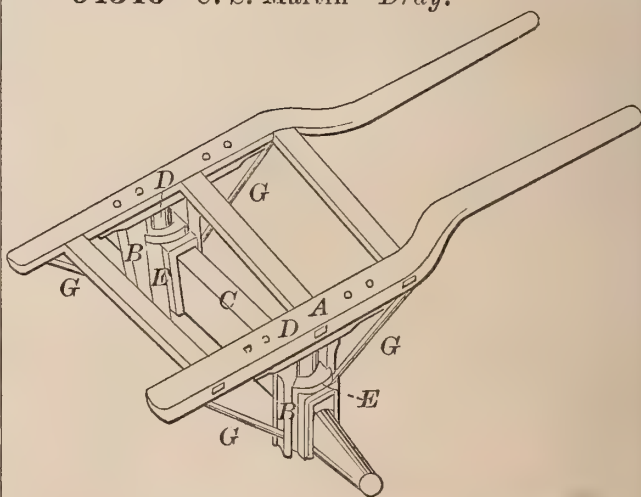
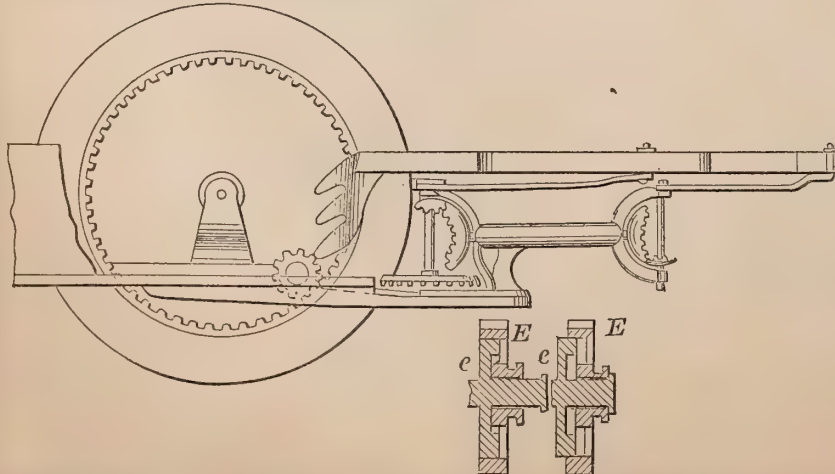
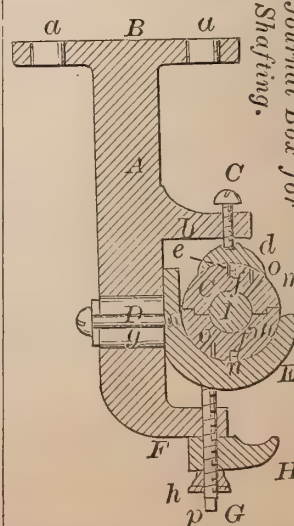
64334—W. Kraiss—Beehive.



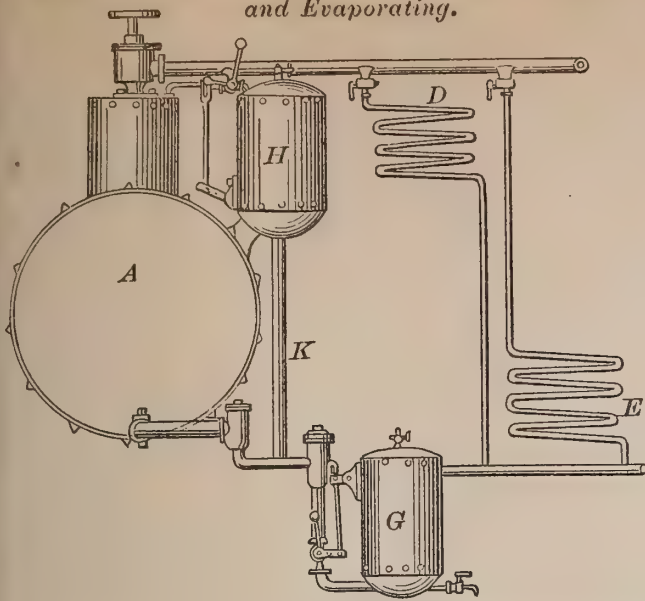
64336—Lester & Jennings—Derrick.



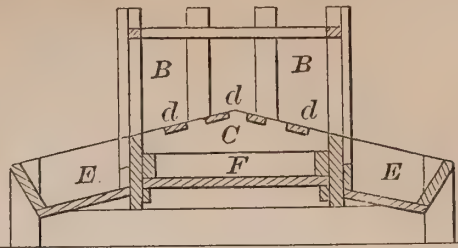


64337—T. Ling—*Pump.*64340—G. B. Manley—*Lattice and Truss Bridge.*64341—S. Markee—*Plane Iron.*64339—S. F. Mackie—*Mill for Crushing Ore.*64342—G. B. Markham—*Knife Sharpener.*64346—C. S. Martin—*Dray.*64345—A. J. Martin—*Harvester Rake.*64344—L. D. Mathews—*Hanger and Journal Box for Shafting.*

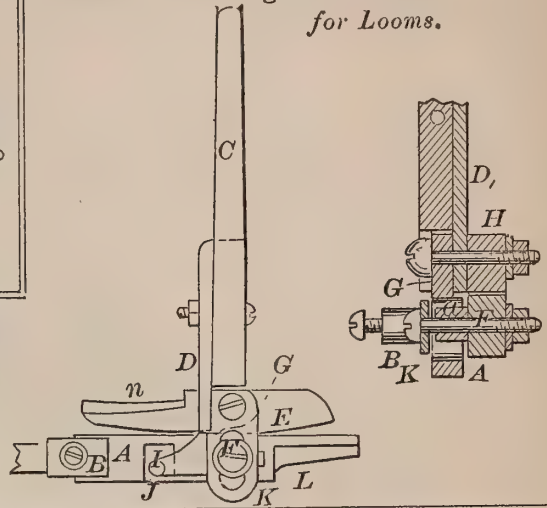
64347—H. Merrill—Using Steam for Heating and Evaporating.



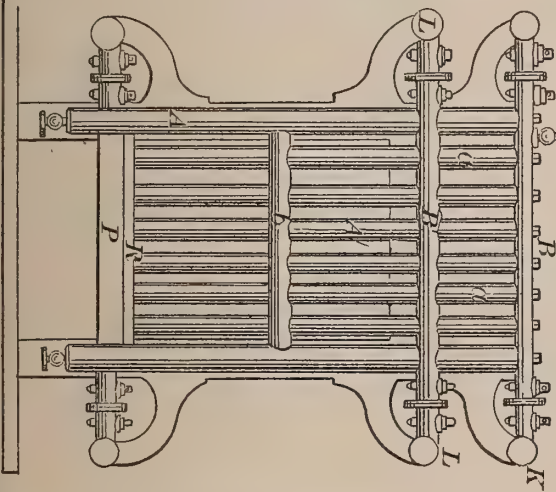
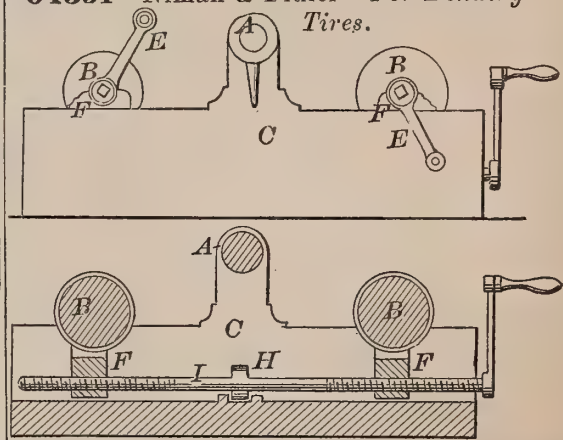
64349—W. Nash—Hay Rack.



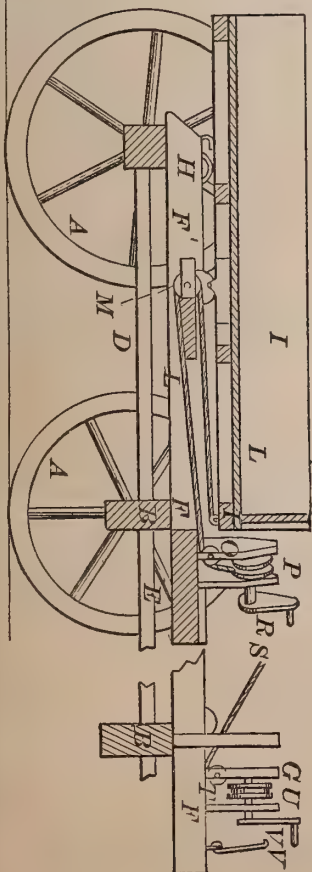
64354—W. Nugent—Picker Motion for Looms.



64351—Niman & Fidler—For Bending Tires.

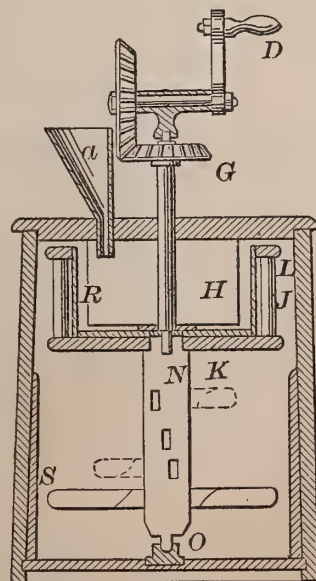


64355—R. J. Nunn—Steam Generator.

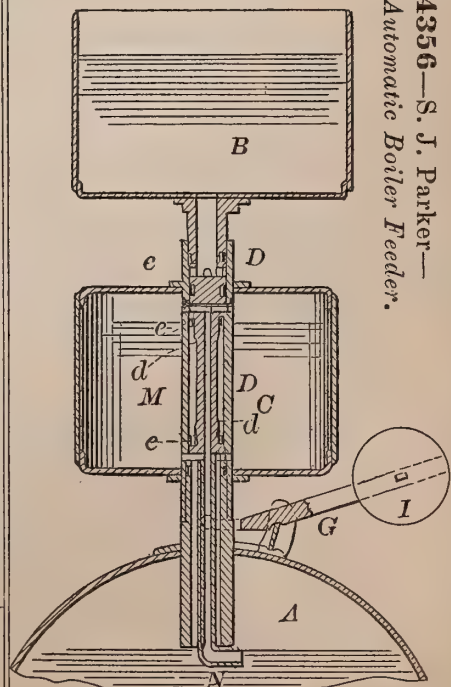


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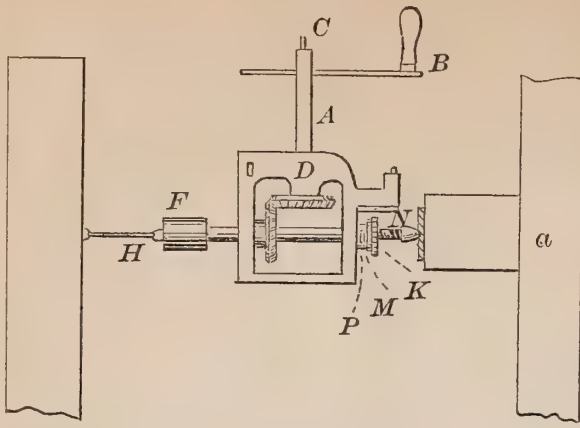
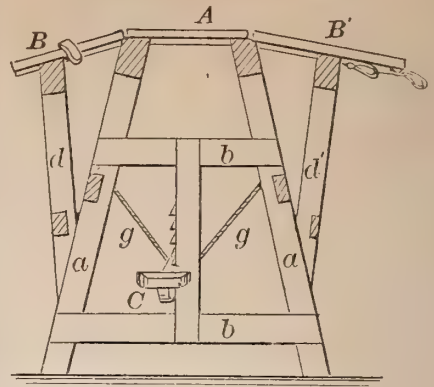
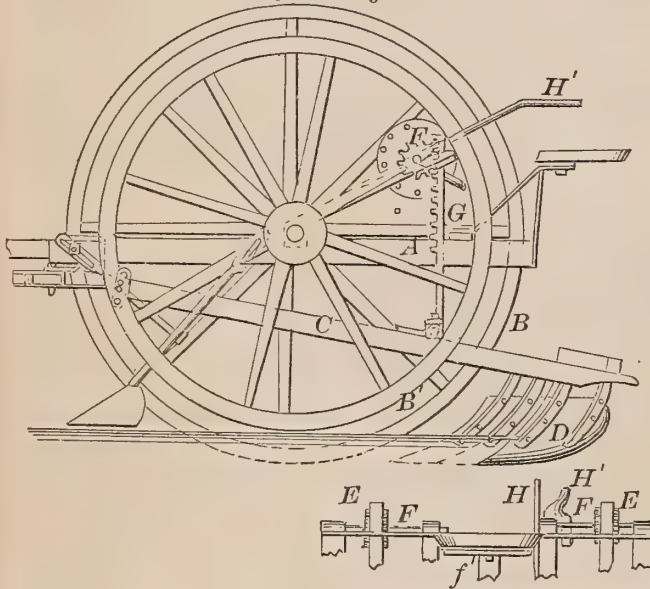
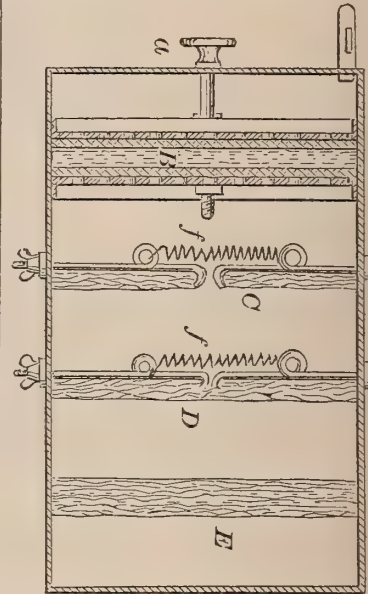
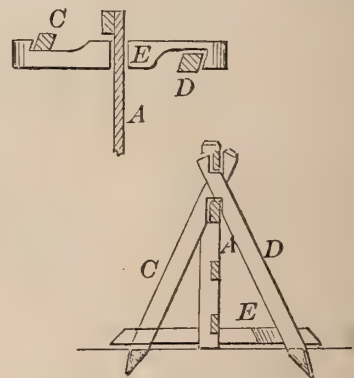
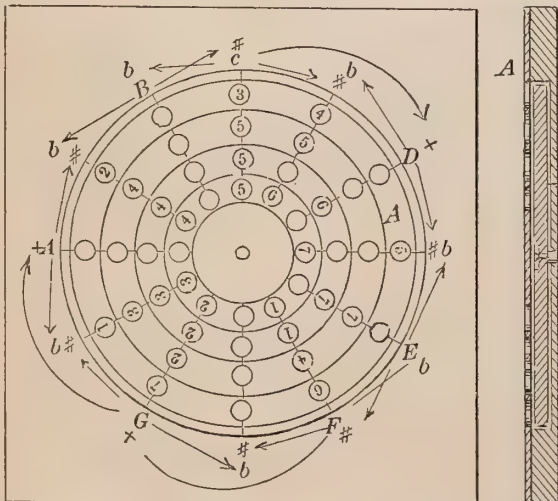
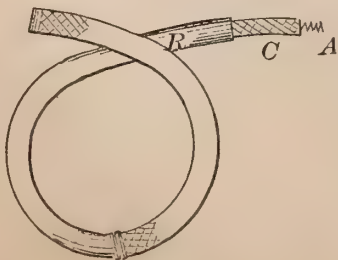
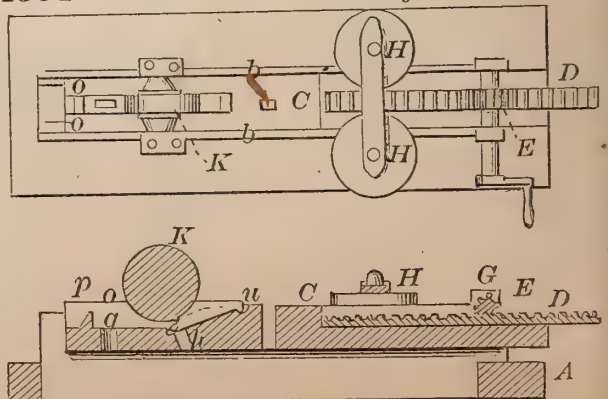
64348—J. W. Myers—Churn.



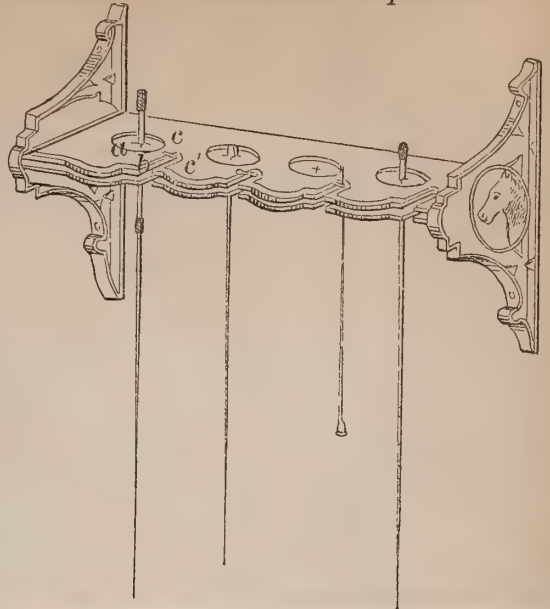
64356—S. J. Parker—Automatic Boiler Feeder.





**64357**—W. F. Parker—*Drilling Machine.***64359**—Perry, Welles & Perry—*Sheep Shearing Table.***64358**—H. L. Perry—*Gang Plow.***64361**—G. W. Porter—*For Carbureting Gas and Air.***64363**—W. Reed—*Fence.***64360**—N. Petersen—*Musical Diat.***64362**—T. L. Reed—*Flexible Tubing or Hose.***64364**—T. C. Rice—*For Heading Wrench Bars.*

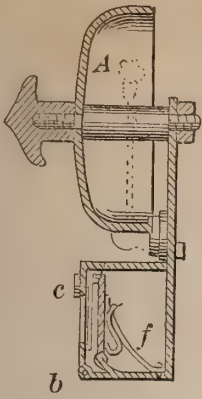
64365—E. Richmond—Whip Rack.



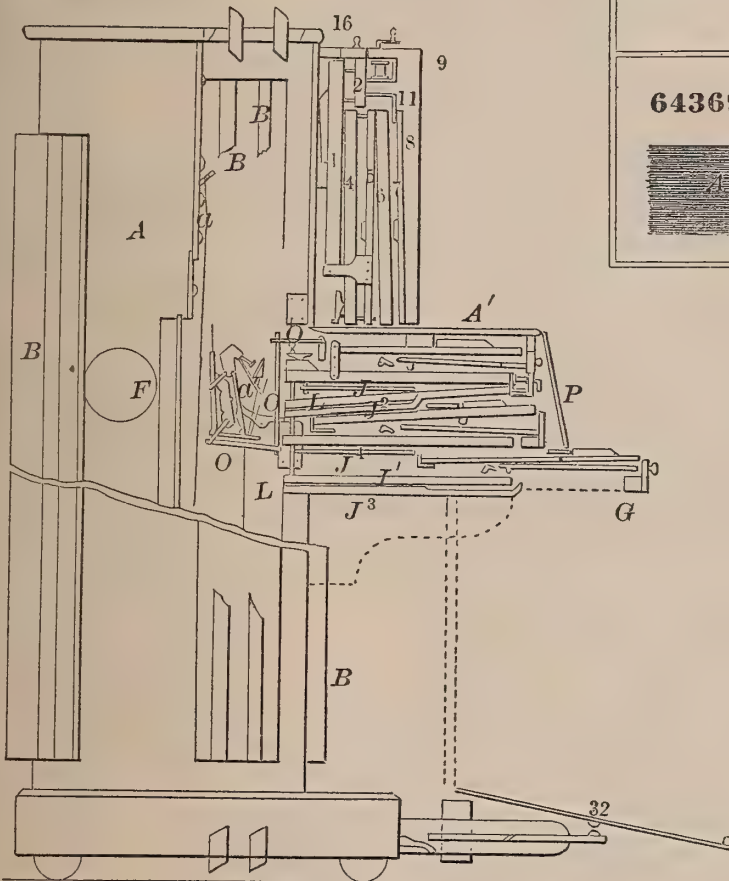
64368—S. Rogers—Thill Coupling.



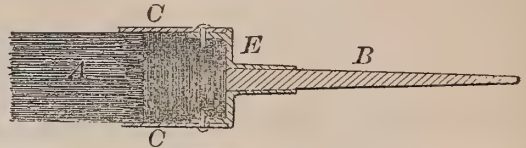
64366—Richmond & Moody—Ticket Safe and Alarm Bell.



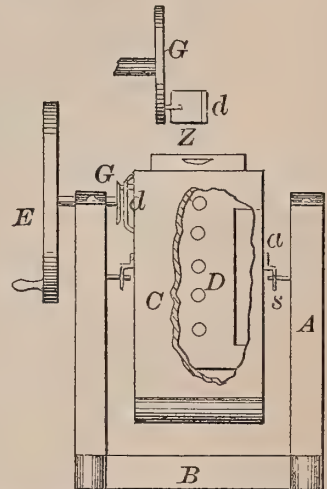
64371—T. J. V. Roz—Piano Forte.



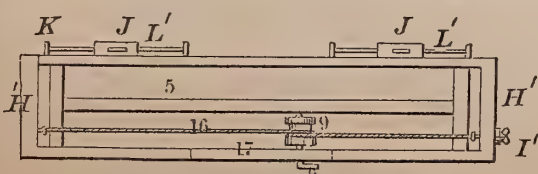
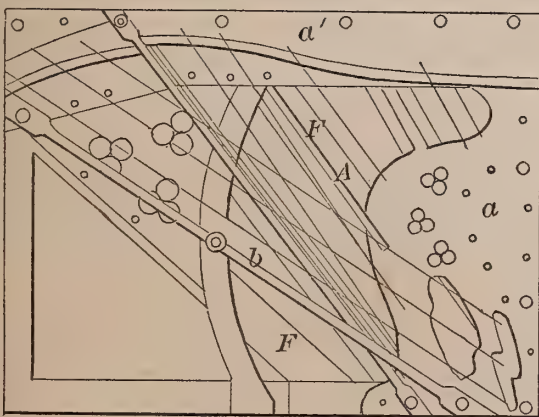
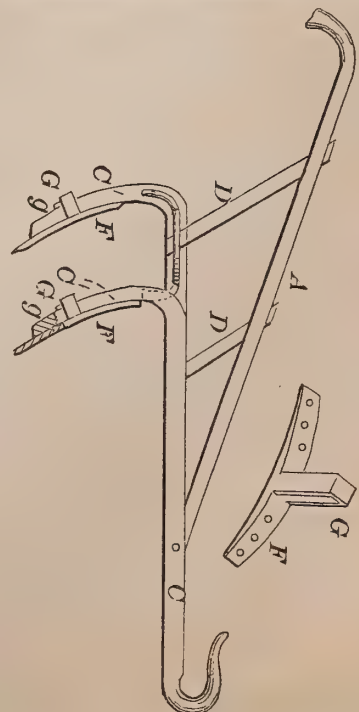
64369—H. Rosenthal—Paint Brush.



64367—Riter & Swann—Churn.

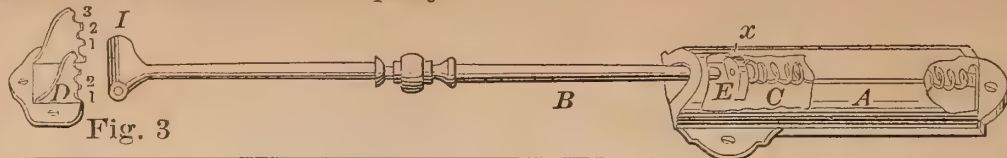


64370—A. P. Rount—Cultivator.

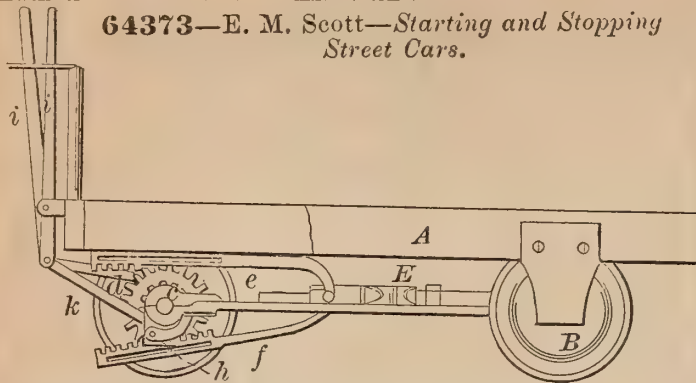




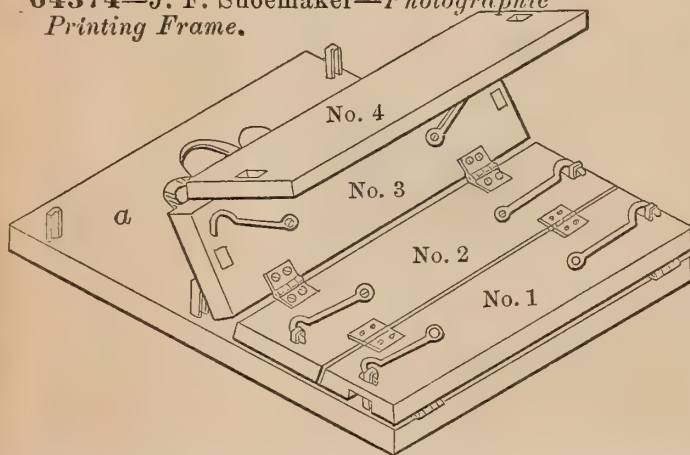
64372—C. W. Saladee—Door Spring.



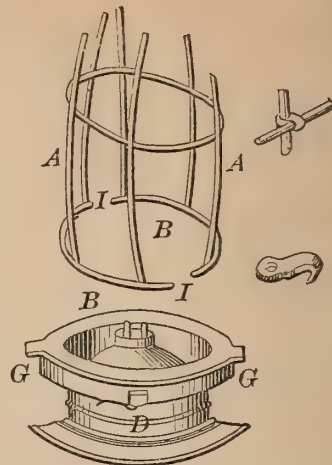
64373—E. M. Scott—Starting and Stopping Street Cars.



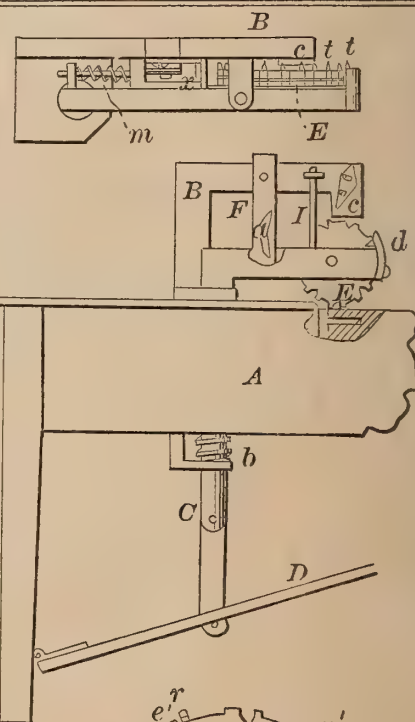
64374—J. F. Shoemaker—Photographic Printing Frame.



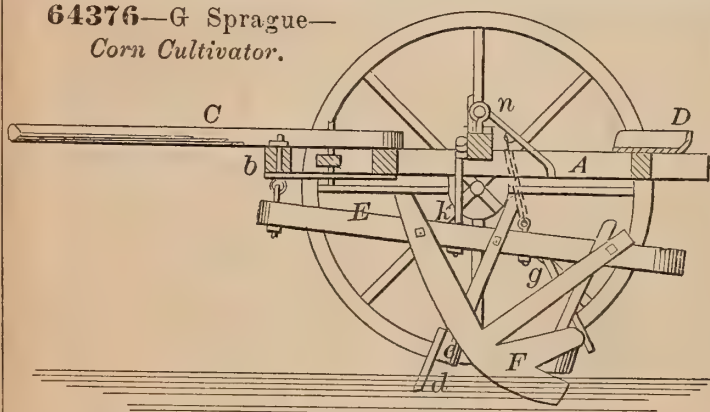
64377—W. G. &amp; C. Sterling—Lantern.



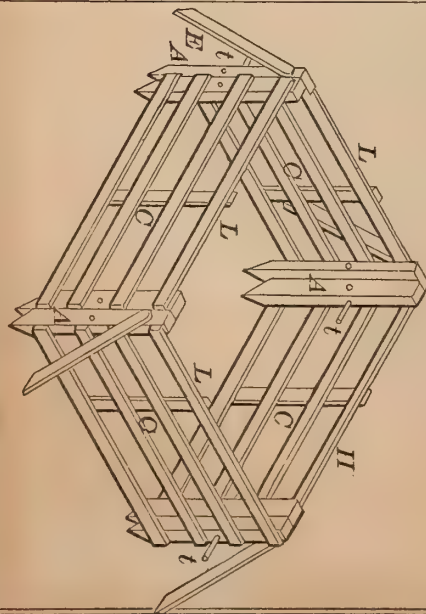
64375—C. L. Sholes—For Printing Numbers.



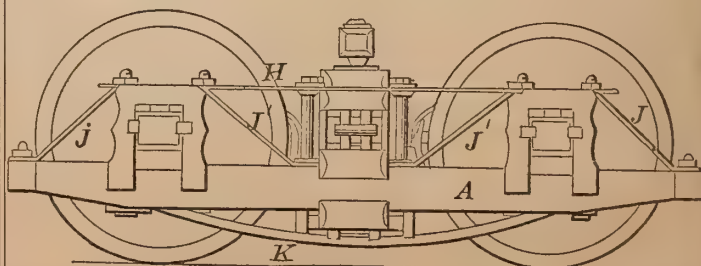
64376—G. Sprague—Corn Cultivator.



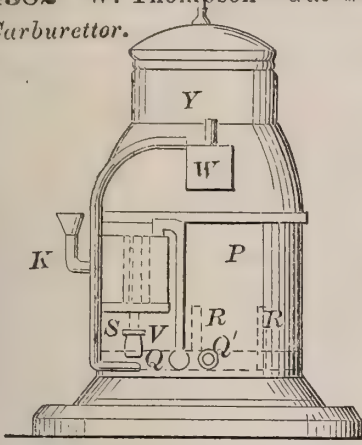
64379—H. M. Stoker—Fence.



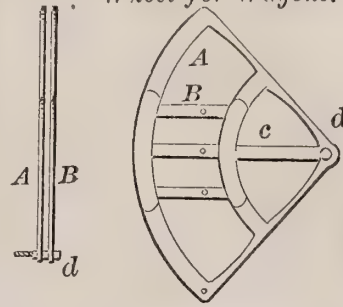
64378—S. G. Steves—Car Truck.



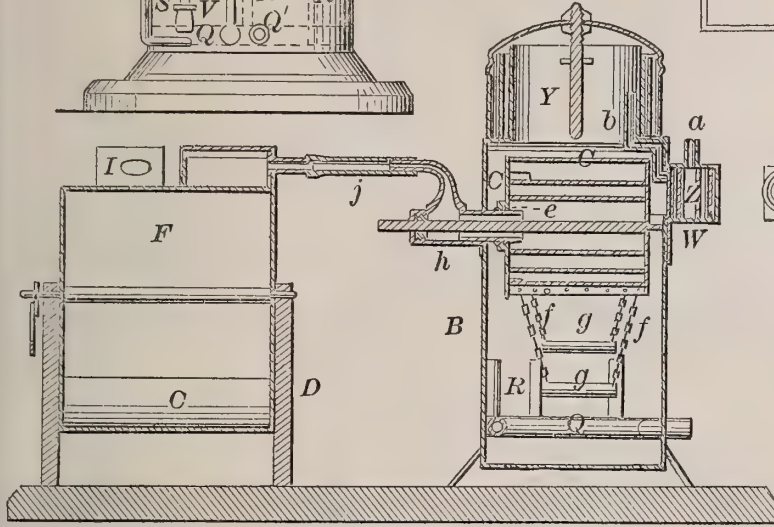
64382—W. Thompson—Gas Generator and Carburettor.



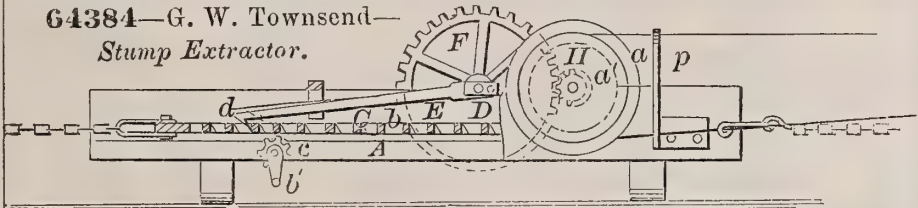
64380—J. B. Stuart—Fifth Wheel for Wagons.



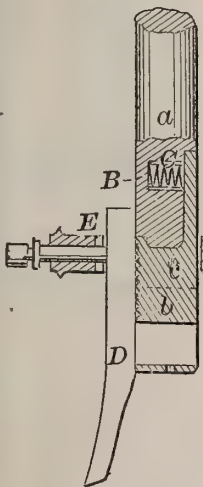
64381—F. F. Terry—Shank and Socket for Forks.



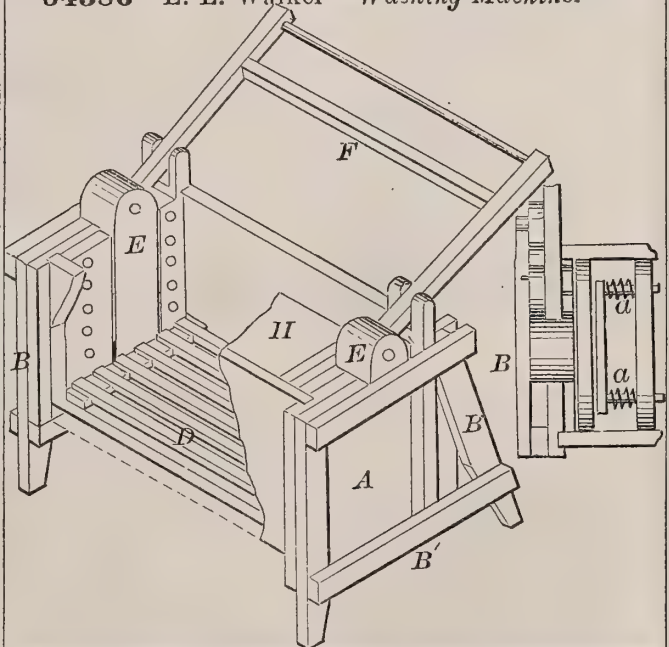
64384—G. W. Townsend—Stump Extractor.



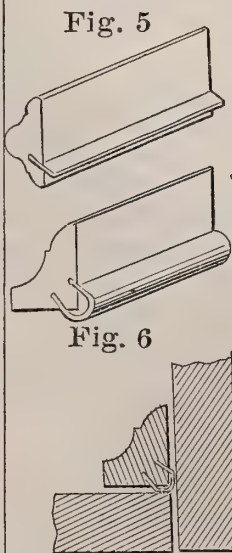
64388—T. L. Webster—Holder for Slotting Tools.



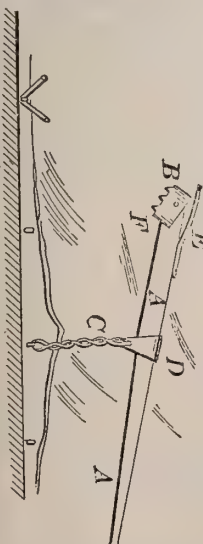
64336—E. L. Walker—Washing Machine.



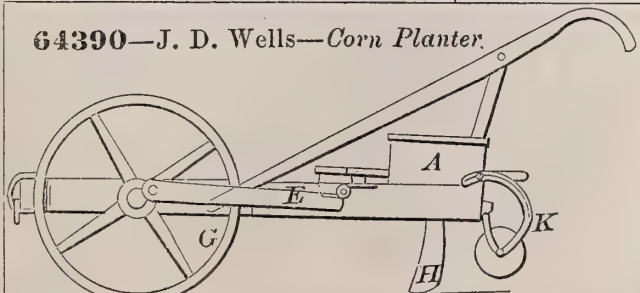
64383—E. P. & E. S. Torrey—Weather Strip.



64387—W. Weaver—Carpet Stretcher.

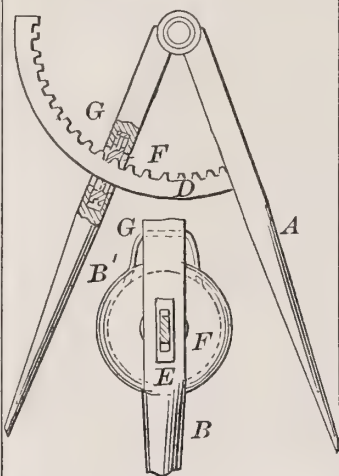


64390—J. D. Wells—Corn Planter.

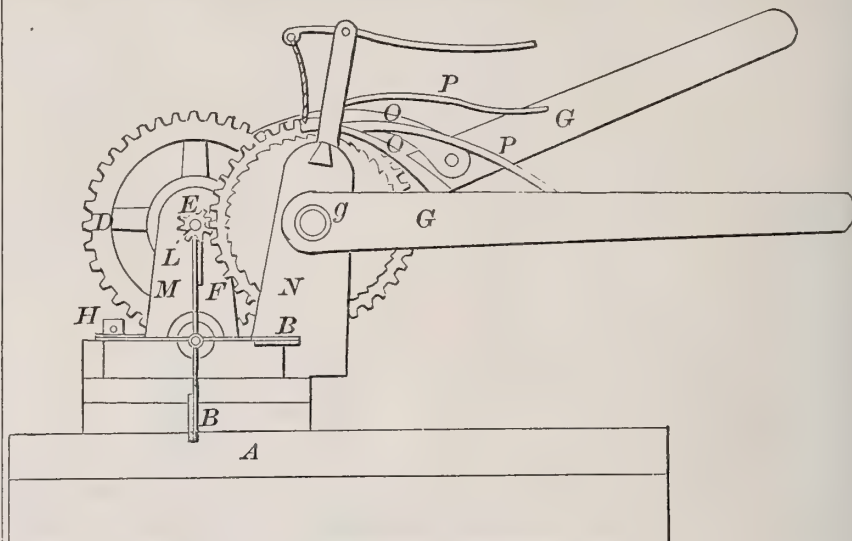




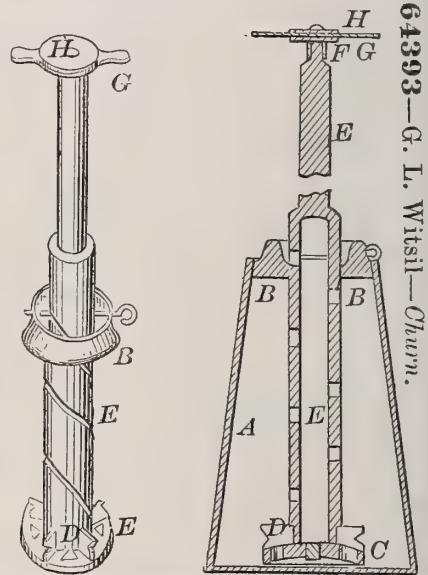
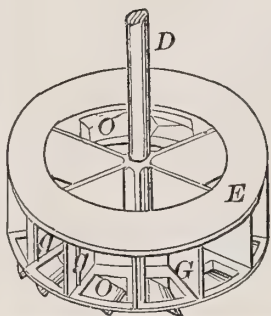
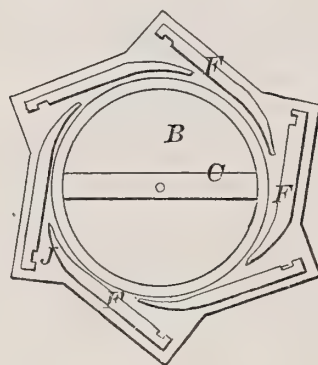
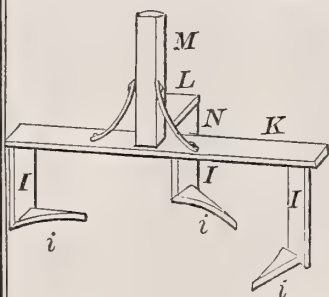
**64391**—H. Whiting—*Dividers.*



**64392**—E. Williams—*Propelling Boats.*

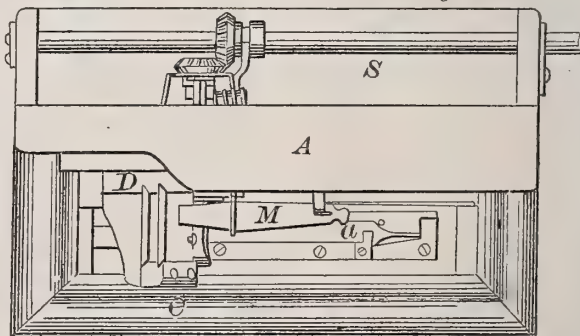


**64395**—T. G. Hall—*Water Wheel.*

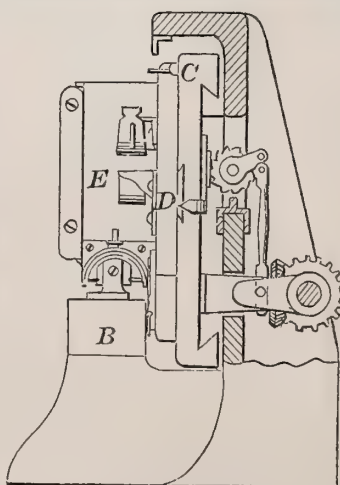
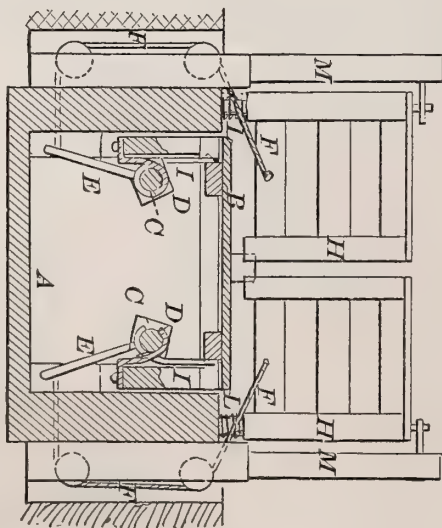
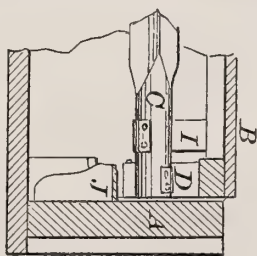


**64393**—G. L. Witsil—*Churn.*

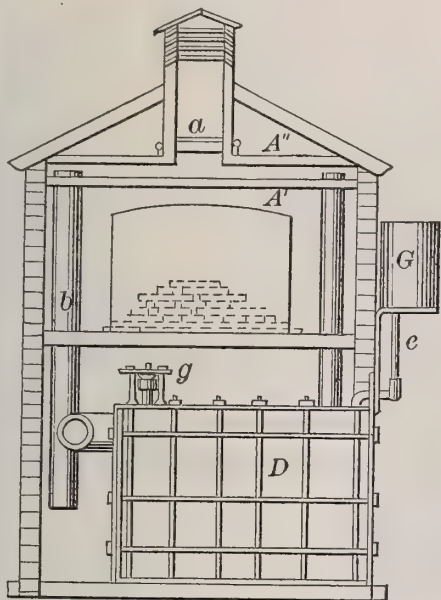
**64396**—E. O. Potter—*For Cutting Files.*



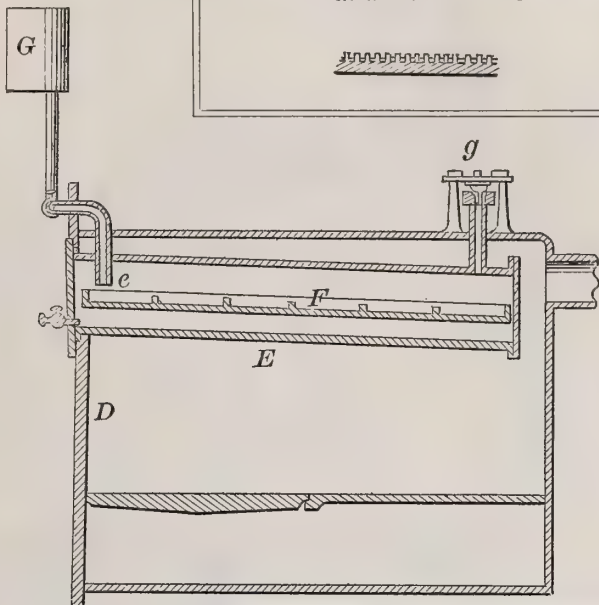
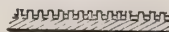
**64394**—S. J. Wright—*Automatic Gate.*



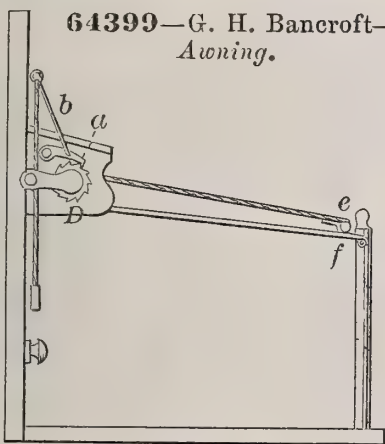
**64398**—Allen & Campbell—*For Seasoning Lumber by Superheated Steam.*



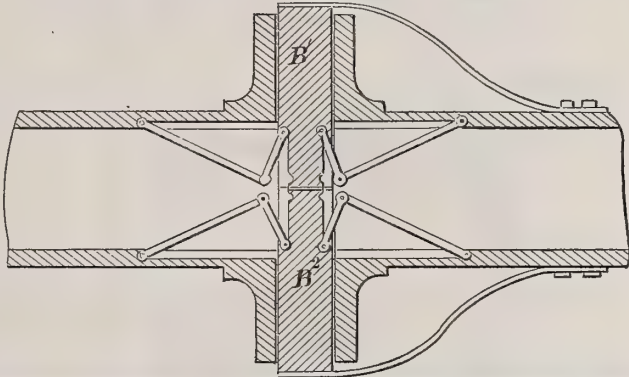
**64397**—W. G. Adams—*Rubber and Fibre Belt.*



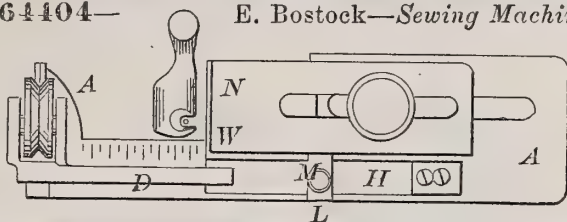
**64399**—G. H. Bancroft—*Awning.*



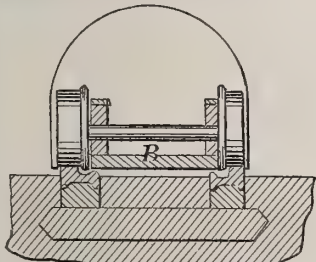
**64400**—A. E. Beach—*Pneumatic Tube.*



**64404**—E. Bostock—*Sewing Machine.*

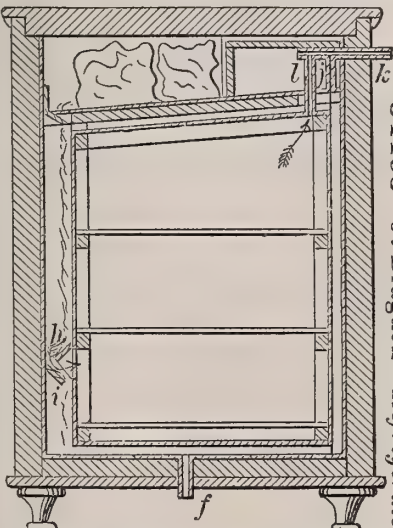
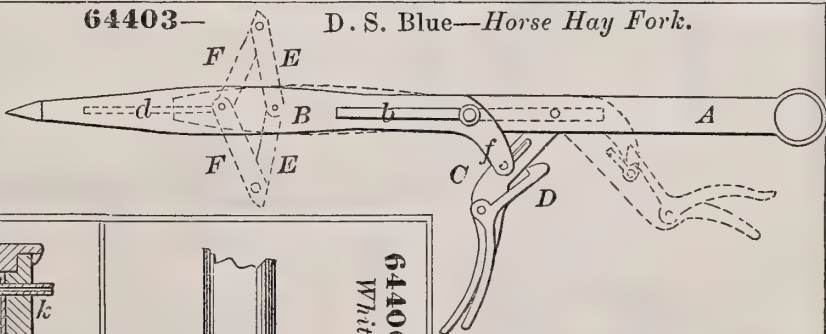


**64401**—A. E. Beach—

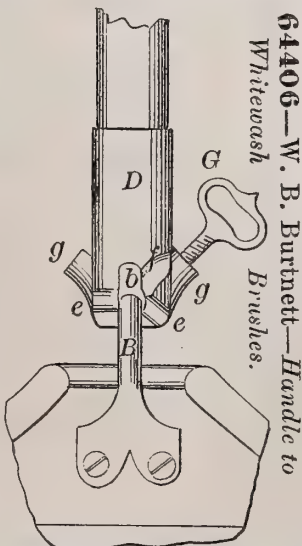


*Pneumatic Car Truck.*

**64403**—D. S. Blue—*Horse Hay Fork.*

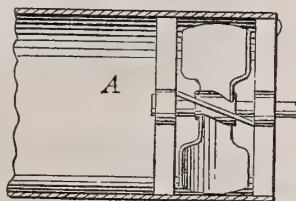


**64405**—J. Bragdon—*Refrigerator.*

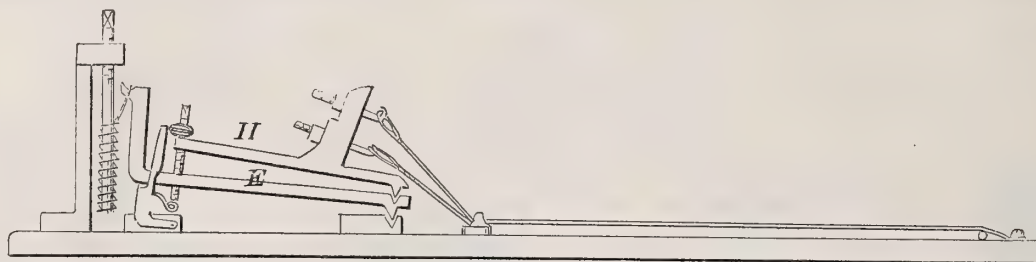
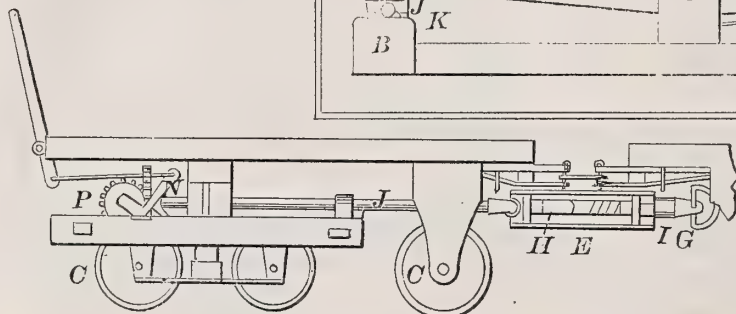
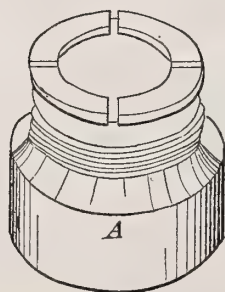
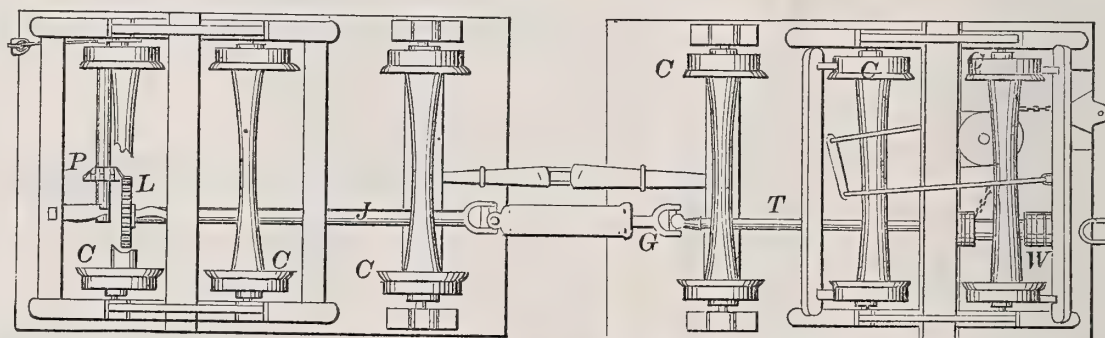
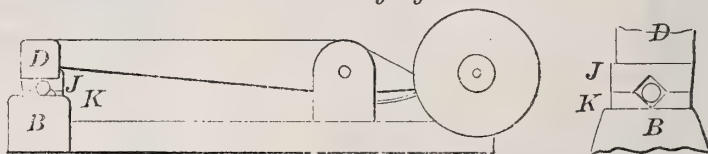
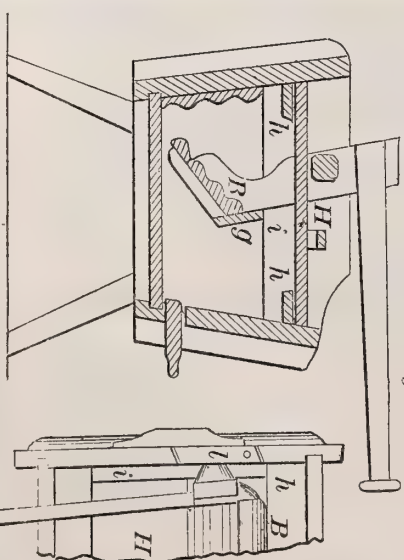
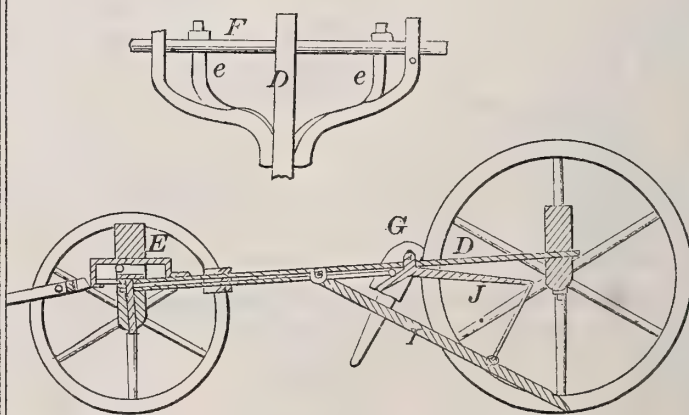
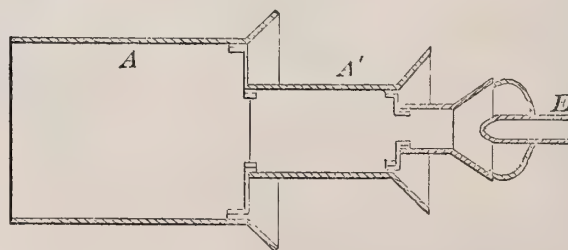


**64406**—W. B. Butnett—*Handle to Whitewash Brushes.*

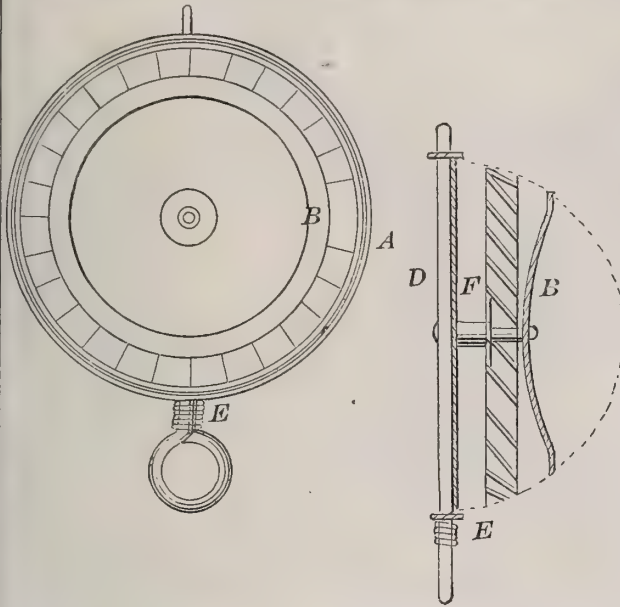
**64402**—A. E. Beach—*Pneumatic Railway.*



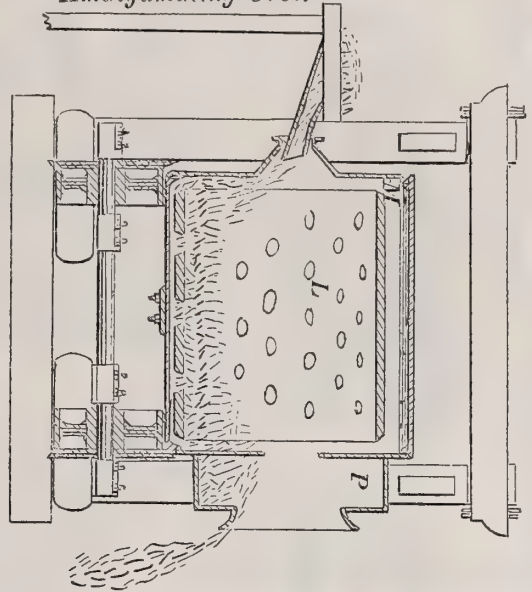


64407—P. E. Chollet—*Piano Forte*.64409—S. F. Dimock—*Car Brake*.64408—L. L. Crane—*Forging Machine*.64410—D. A. Draper—*Letters on Type Blocks*.64413—T. J. Farr—*Wagon Brake*.64412—F. Elder—*Washing Machine*.64414—Foreman & Mathewson—*Steam Blower*.

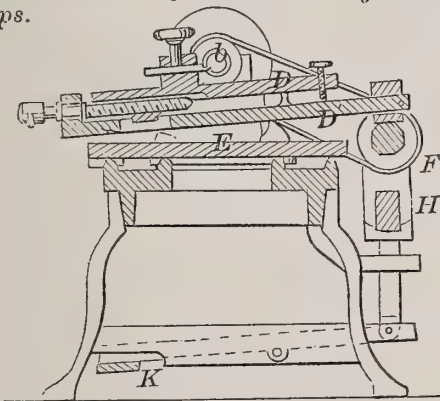
**64415**—W. T. Gray—*Stove Pipe Damper.*



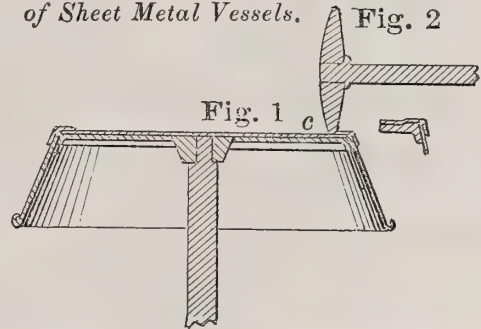
**64416**—J. Hart—*For Crushing and Amalgamating Ores.*



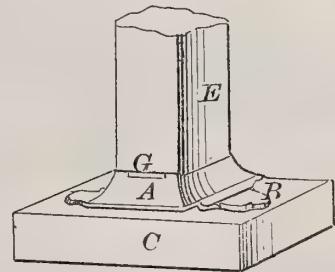
**64420**—W. & J. Holroyd—*For Cutting Screw Taps.*



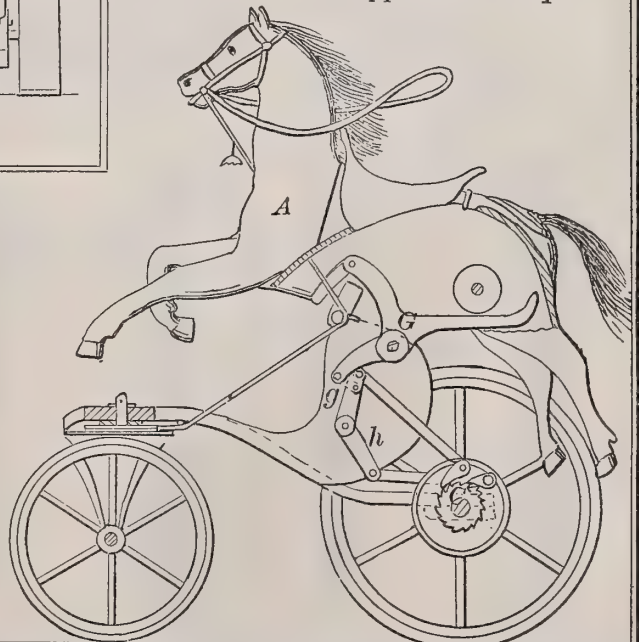
**64422**—L. T. Hulbert—*Deflecting Bottom of Sheet Metal Vessels.* Fig. 2



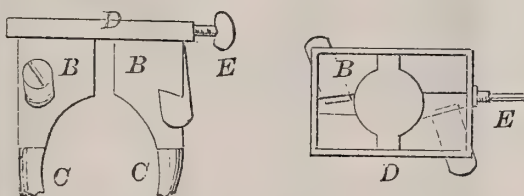
**64417**—G. W. Hatch—*Fence Post Pedestal.*



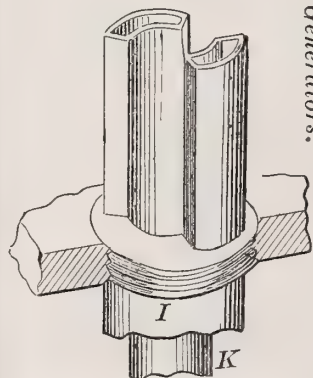
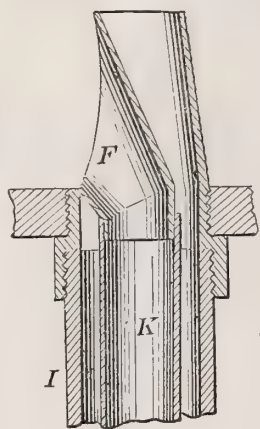
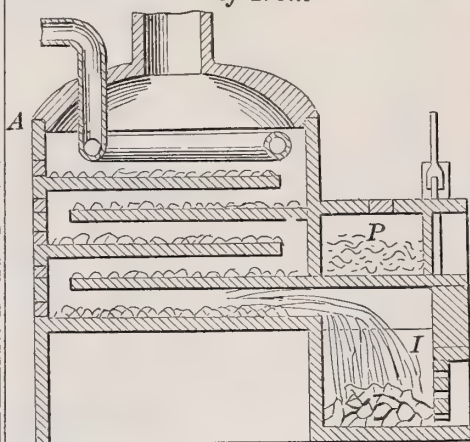
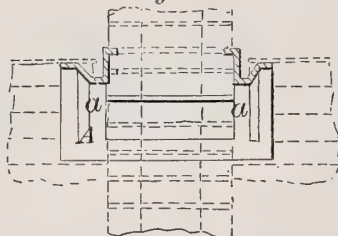
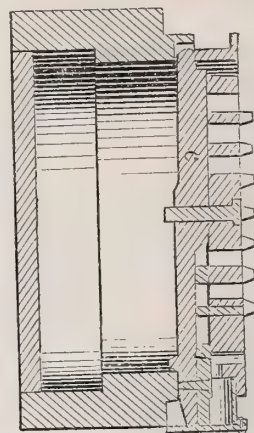
**64418**—F. G. Hoepfner—*Velocipede.*



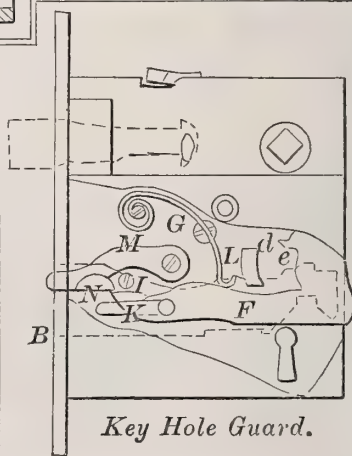
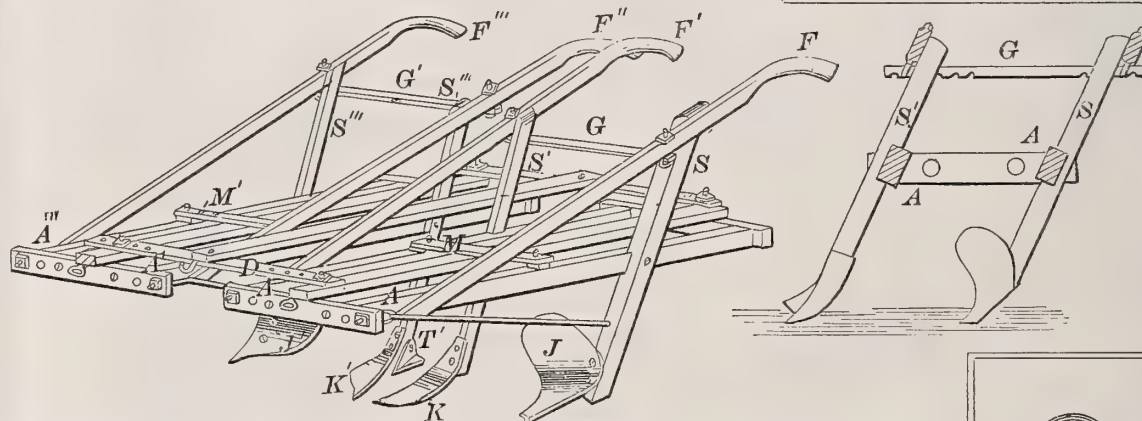
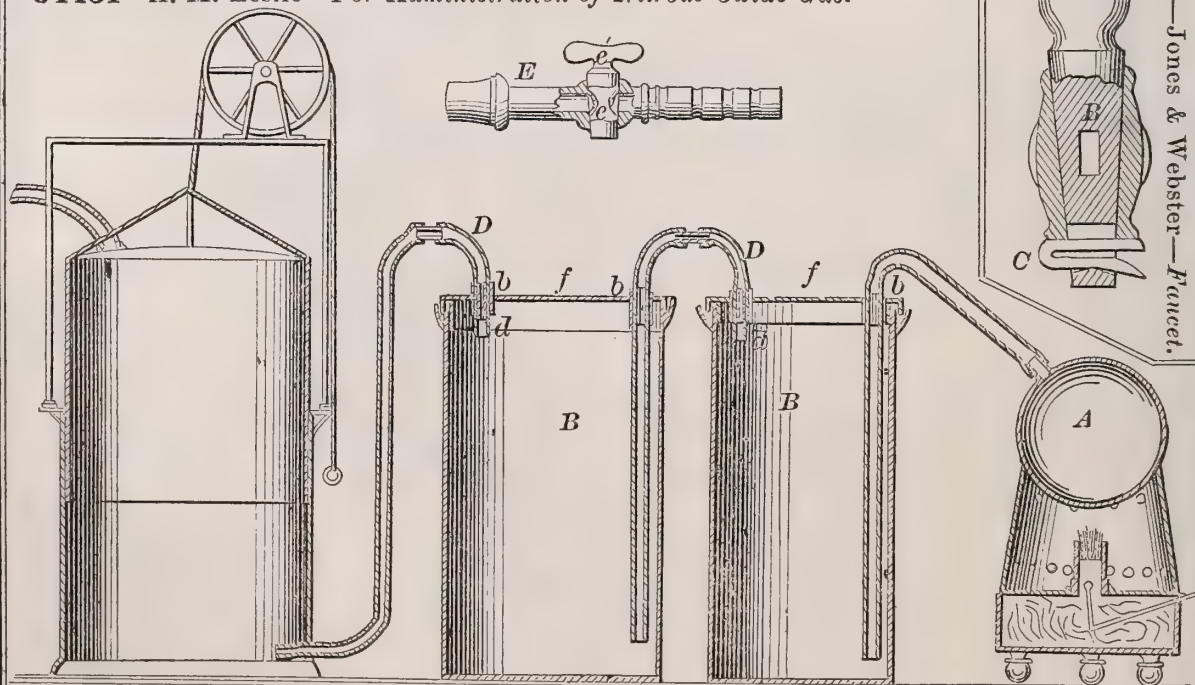
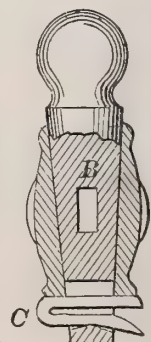
**64423**—M. Isbell—*Hollow Auger.*





64424—C. H. James—*Tube for Steam Generators.*64425—J. Jameson—*Manufacture of Iron.*64428—M. H. Kelsey—*Chimney Joint.*64430—H. G. Leonard—*Stove Grate.*

64426—W. Johnson, 2d—

*Key Hole Guard.*64429—A. B. King—*Cultivator.*64431—A. M. Leslie—*For Administration of Nitrous Oxide Gas.*64427—Jones & Webster—*Faucet.*

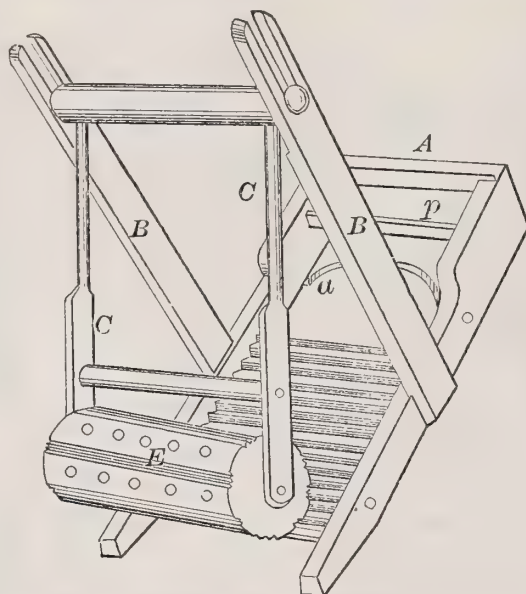




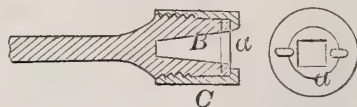
64442—D. B. Nelson—Shovel.



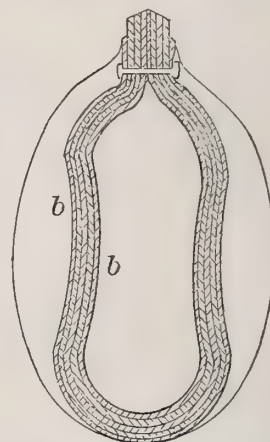
64445—M. Pierce—Washing Machine.



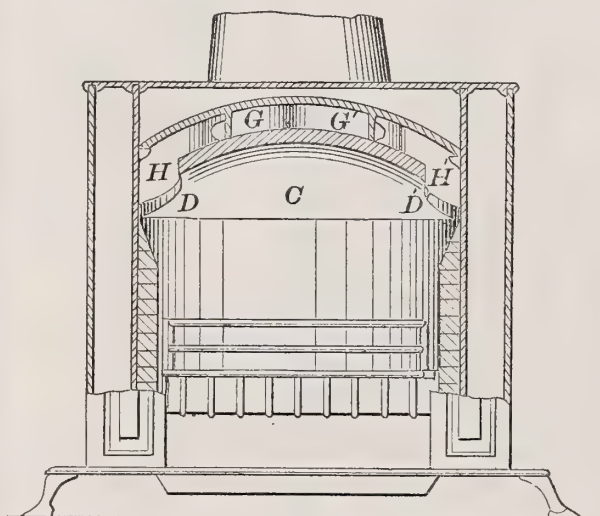
64444—L. J. Parsons—Attaching Bits in Braces.



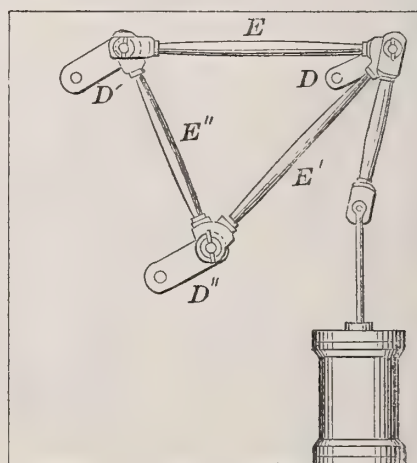
64448—D. T. Robinson—Horse Collar.



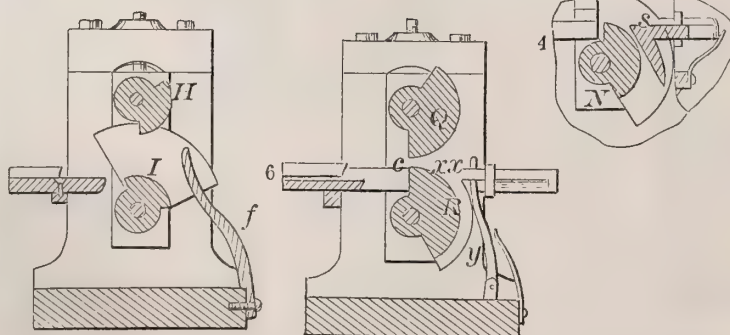
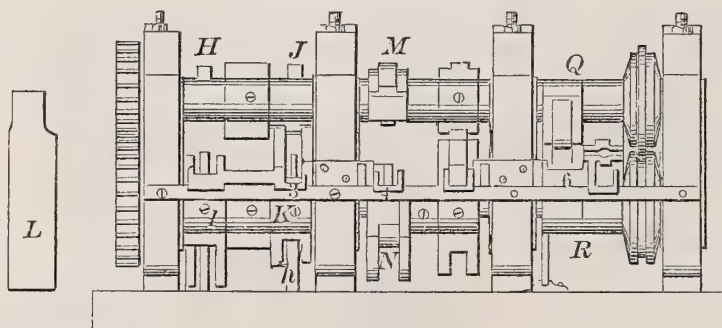
64446—A. J. Redway—Fireplace.



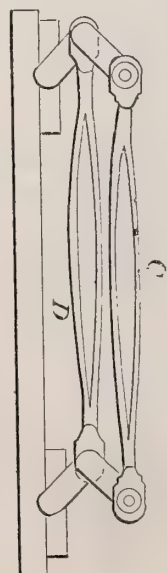
64450—W. Rowell—Transmitting Motion.



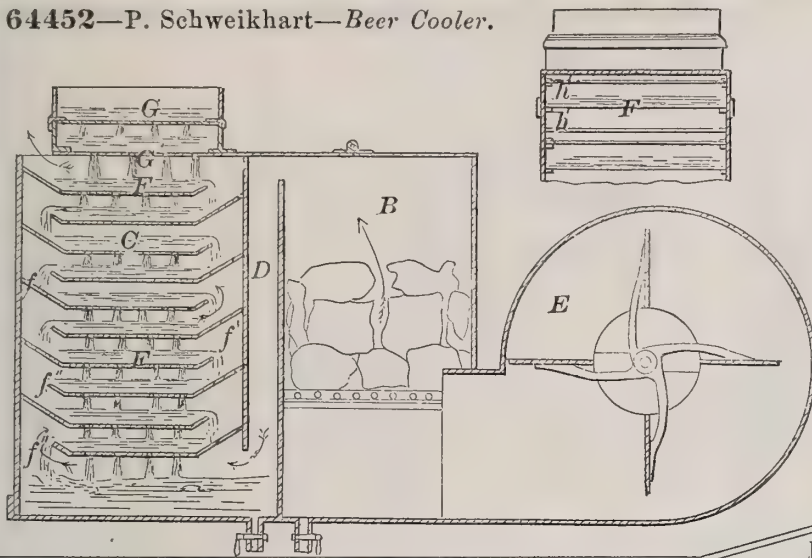
64447—T. C. Rice—For Rolling Wrench Bars.



64451—W. Rowell—Transmitting Motion.



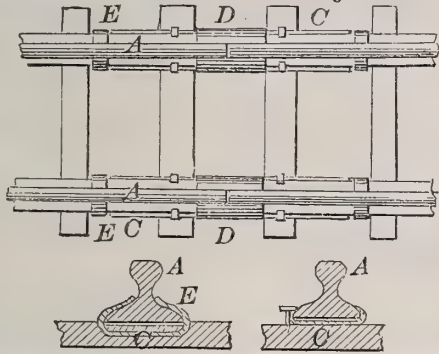
64452—P. Schweikhart—Beer Cooler.



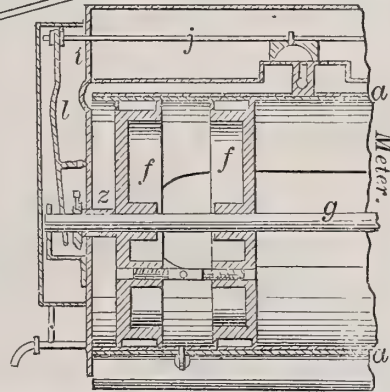
64455—T. H. Spencer—Tooth Brush.



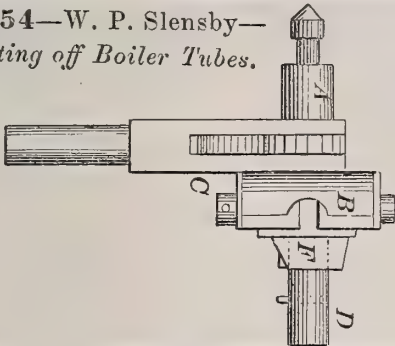
64453—T. Selleck—Railway Chair.



64457—W. M. Storm—Liquid Meter.



64454—W. P. Slensby—Cutting off Boiler Tubes.



64458—W. L. Strong—Amalgamator.

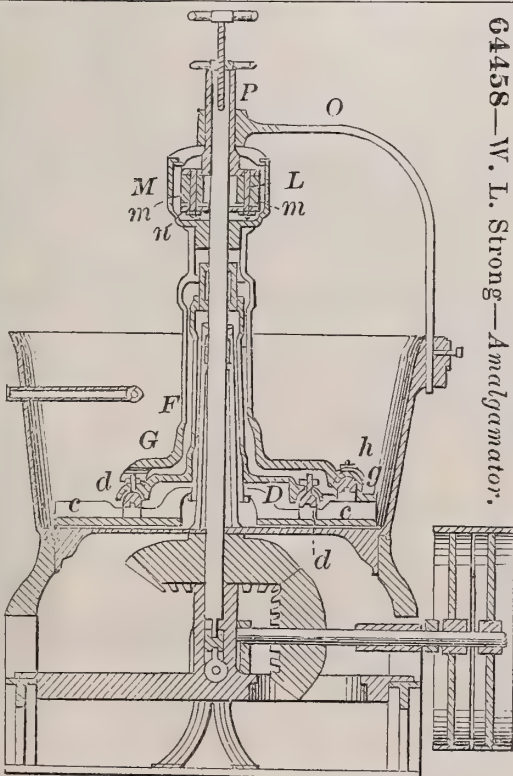


Fig. 3

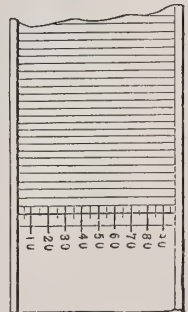
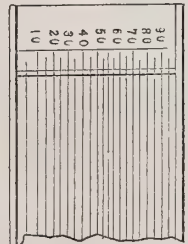
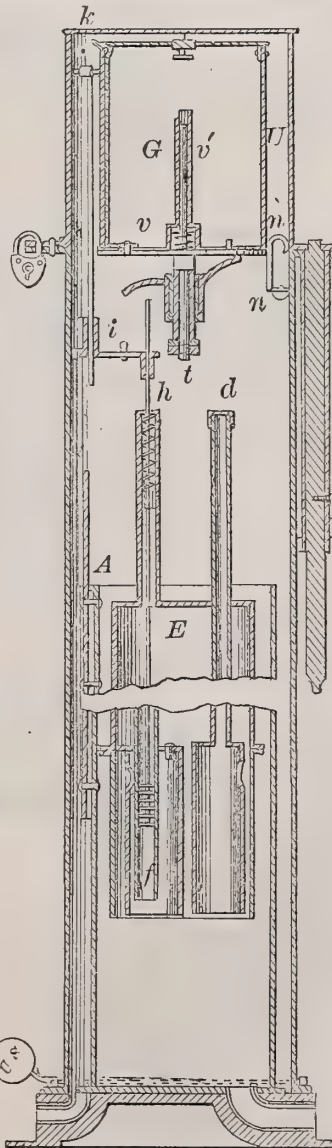
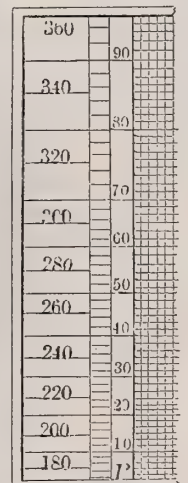


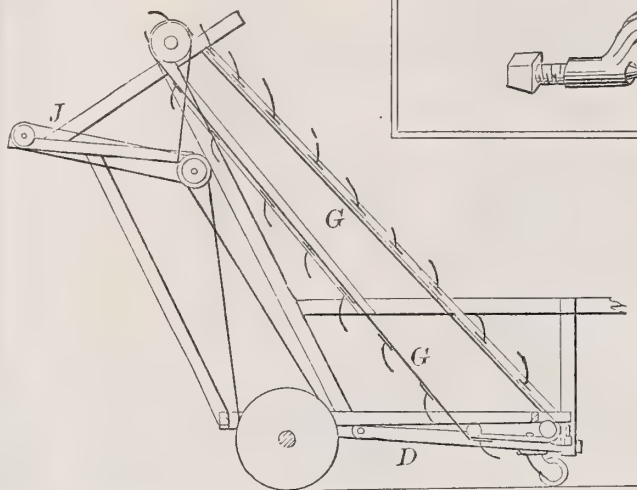
Fig. 8



64456—W. M. Storm—Proof Meter and Register for Spirits.



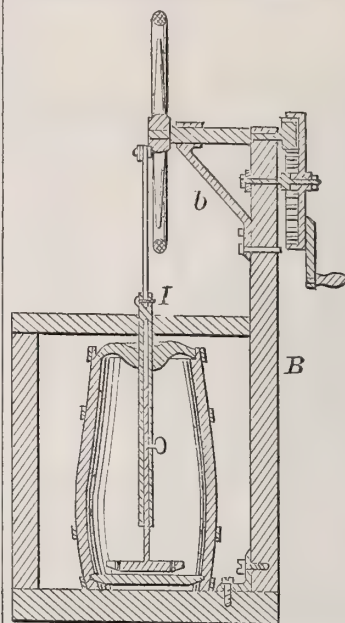
**64459**—L. D. Taylor—*Hay Loader.*



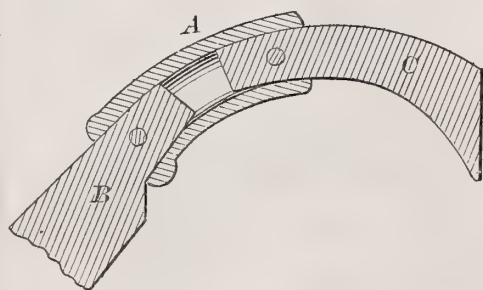
**64461**—Tousley & Marcellus—*Nose Jewel for Swine.*



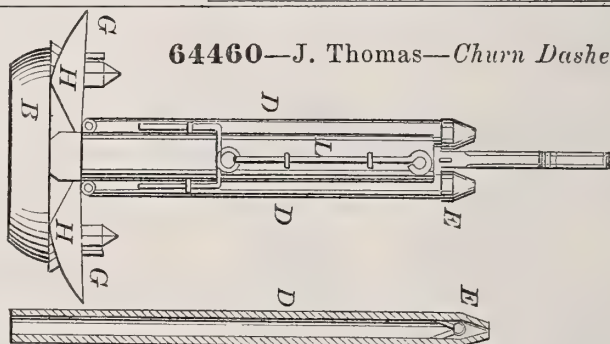
**64463**—M. D. Wallace—*Churn.*



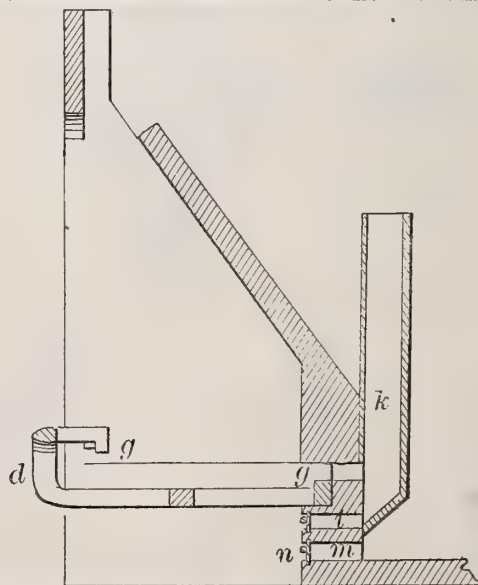
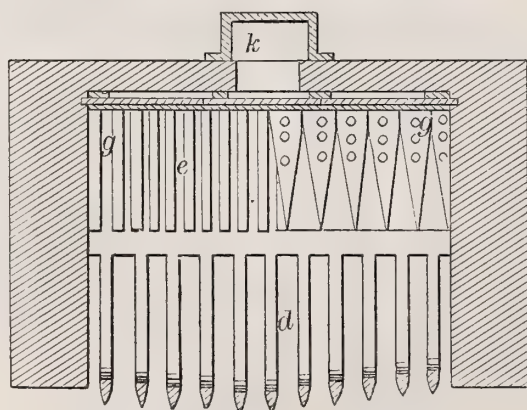
**64464**—G. Watt—*Plow Handle.*



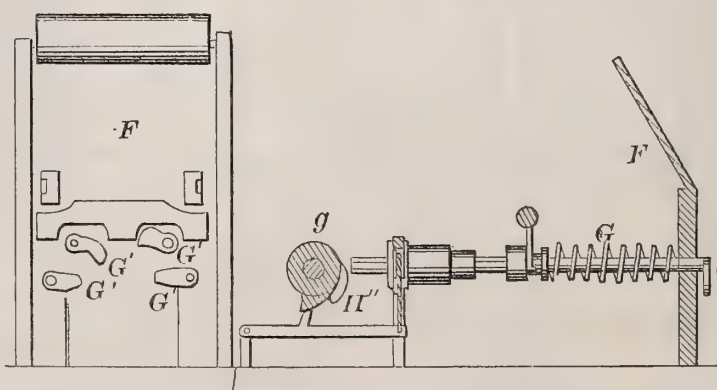
**64460**—J. Thomas—*Churn Dasher.*



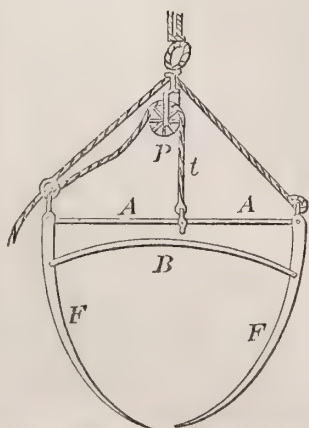
**64465**—M. D. Wellman—*Fireplace.*



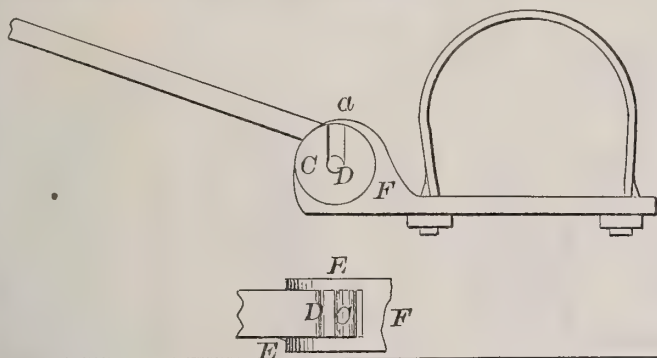
**64466**—W. Wheeler Jr—*For Folding Cloth.*



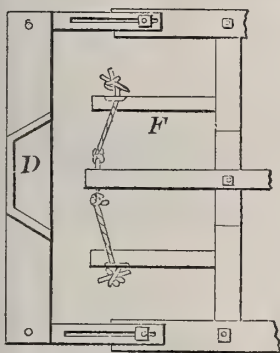
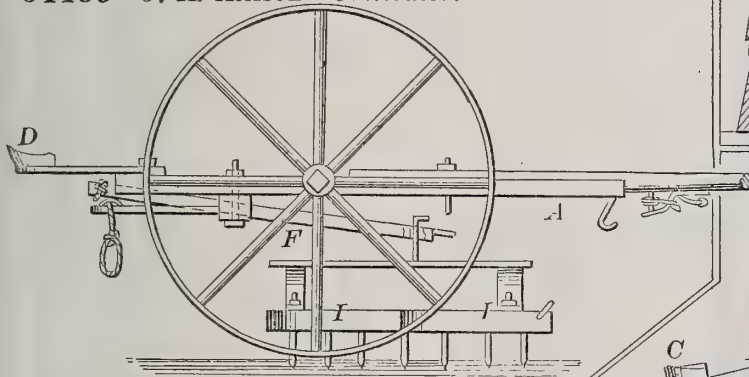
**64462**—M. I. Turk—*Horse Hay Fork.*



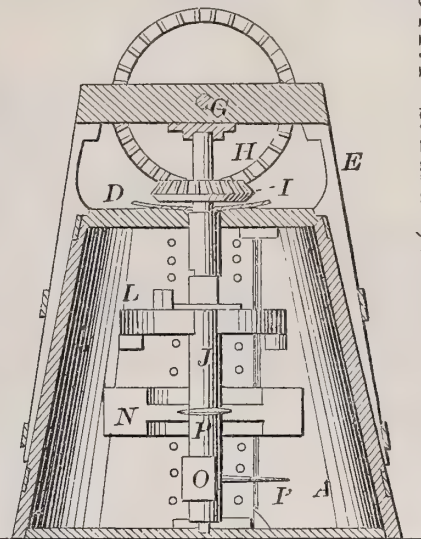
64468—X. S. Allen—*Attaching Carriage Thills.*



64469—J. H. Allison—*Cultivator.*

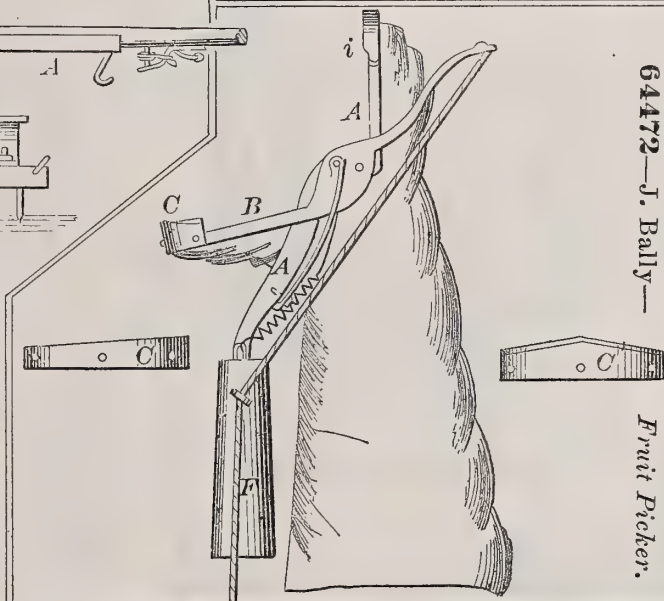


64471—S. Ballard, Sr.—*Churn.*

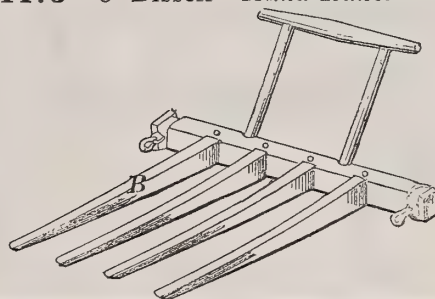


64472—J. Bally—

*Fruit Picker.*



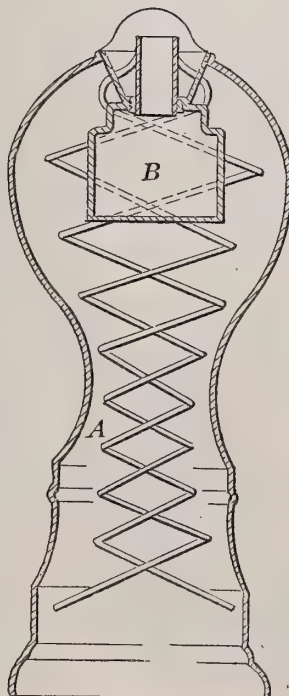
64475—C Bissell—*Hand Rake.*



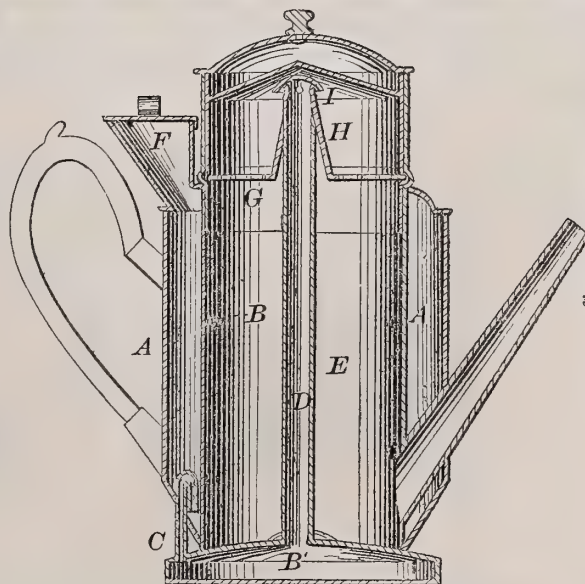
64470—E. B. Andrews—*Organ Pipe.*



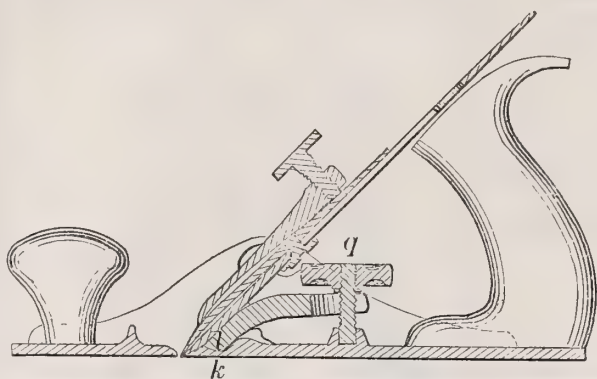
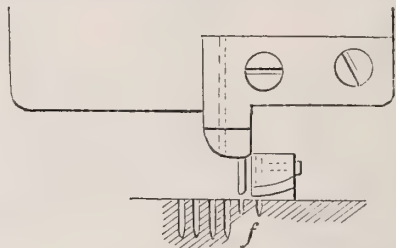
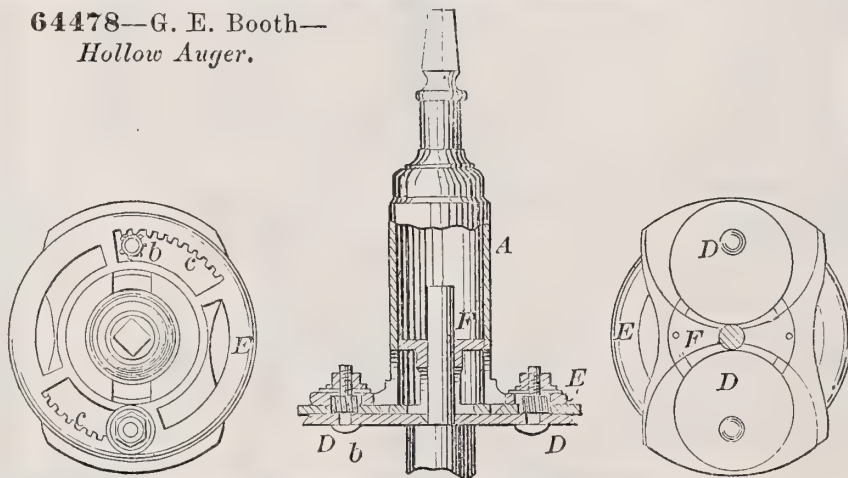
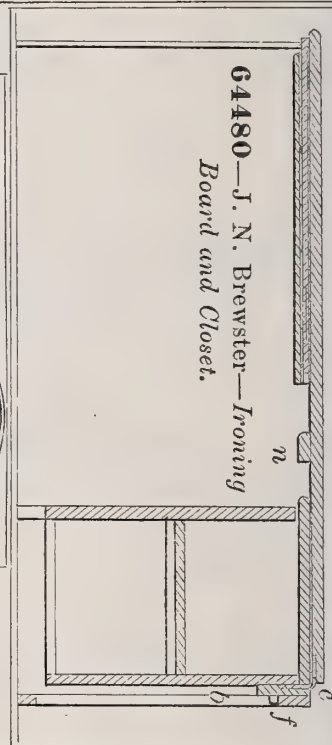
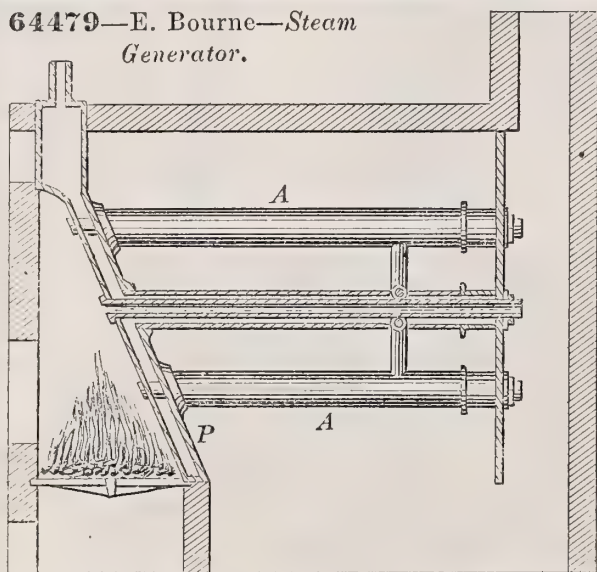
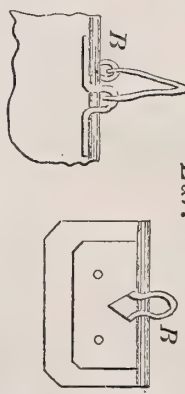
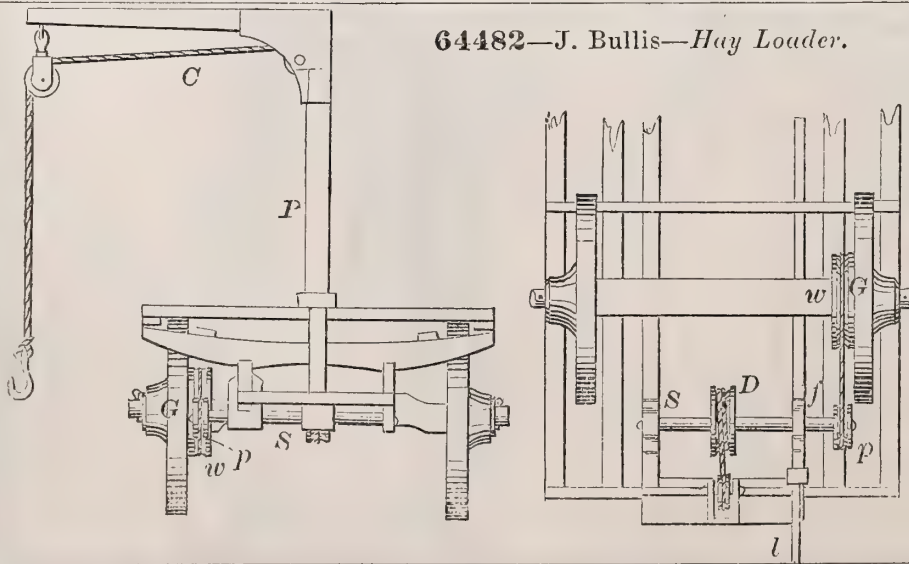
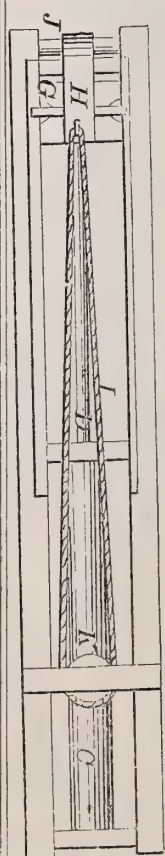
64474—H. M. Beidler—*Lamp.*



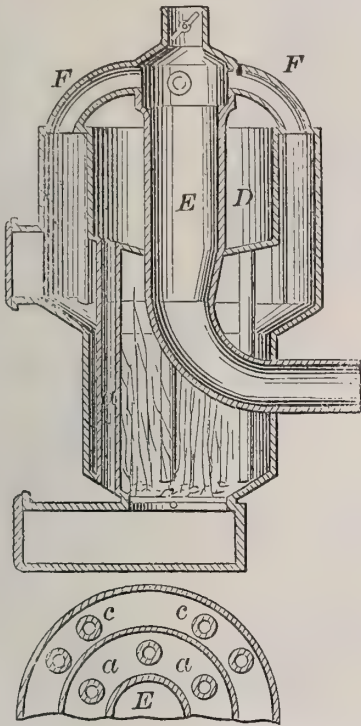
64476—J. Blackie—*Coffee Pot.*



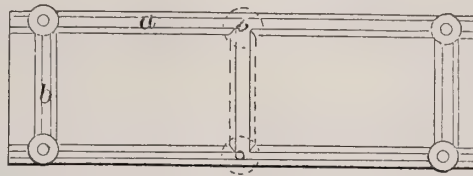


64477—B. A. Blandin—*Bench Plane.*64481—B. Q. Budding—*Pegging Machine.*64478—G. E. Booth—*Hollow Auger.*64480—J. N. Brewster—*Ironing Board and Closet.*64479—E. Bourne—*Steam Generator.*64484—H. Callahan—*Bucket Ear.*64482—J. Bullis—*Hay Loader.*64483—Burditt & Preston—*Signal Whistle.*

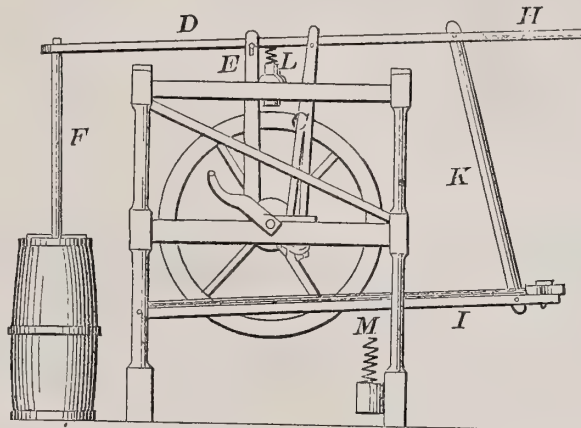
**64485**—E. H. Camp—*Hot Air Furnace.*



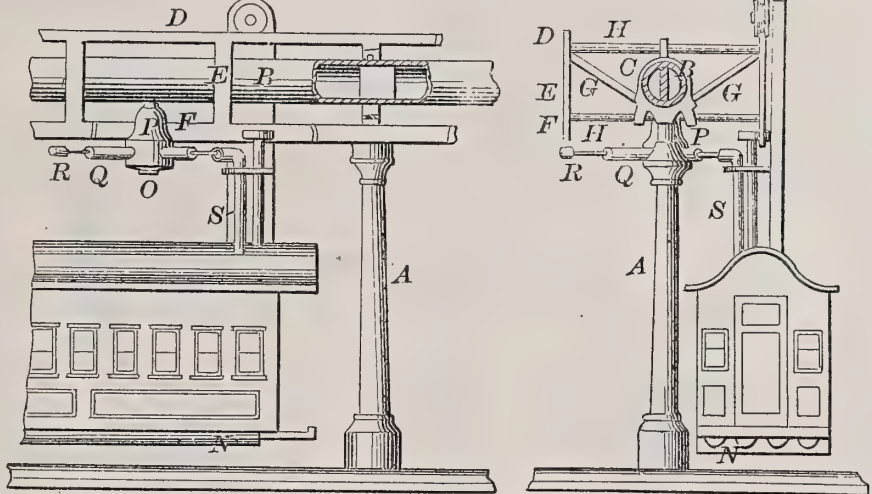
**64488**—L. S. Chase—*Picture Frame.*



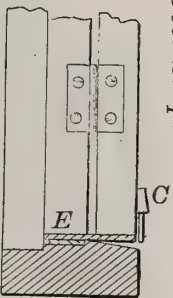
**64490**—J. Christley—*Churn Power.*



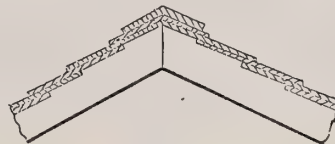
**64487**—A. H. Caryl—*Atmospheric Railroad.*



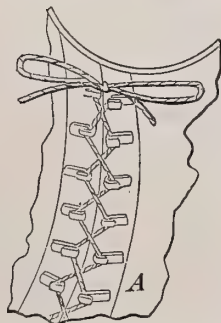
**64486**—G. W. Carpenter—*Door Strip.*



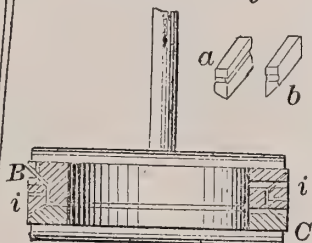
**64493**—Converse & Torrey—*Composition Roofing.*



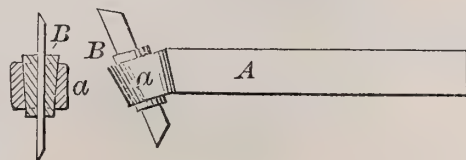
**64489**—W. H. Christie—*Shoe Lacer.*



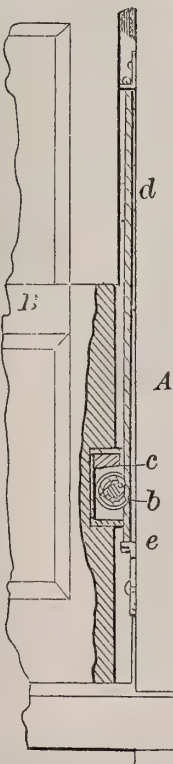
**64491**—C. H. Clark—*Piston Packing.*



**64494**—E. W. H. Cooper—*Tool Holder.*

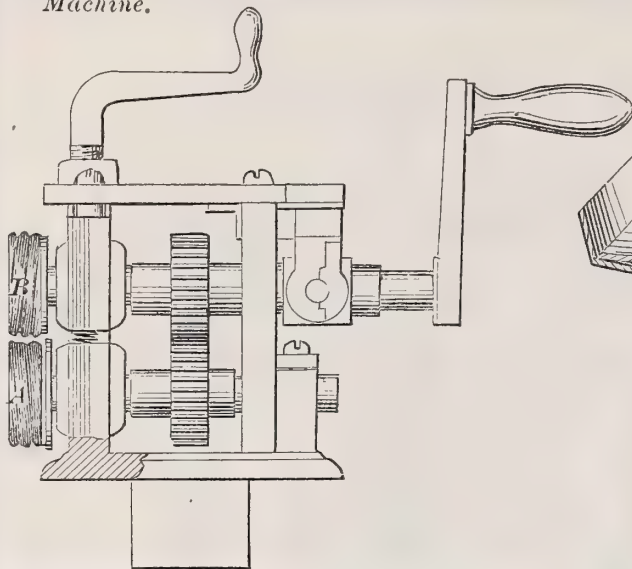


**64492**—C. Cole—*Sash Stop.*

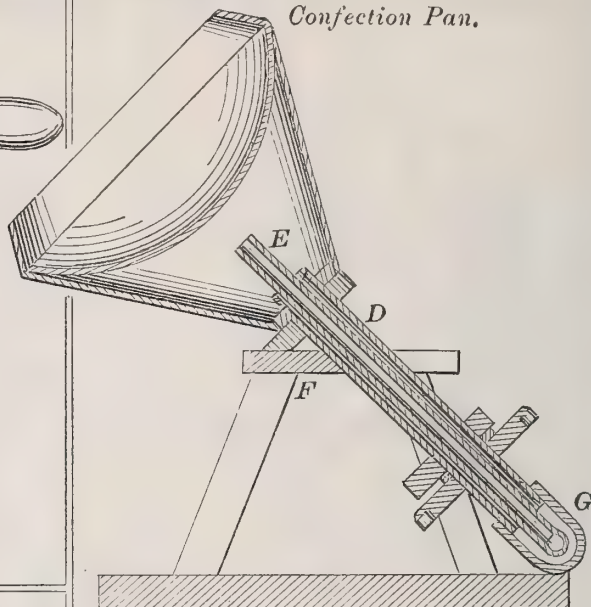




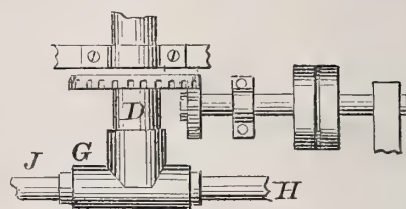
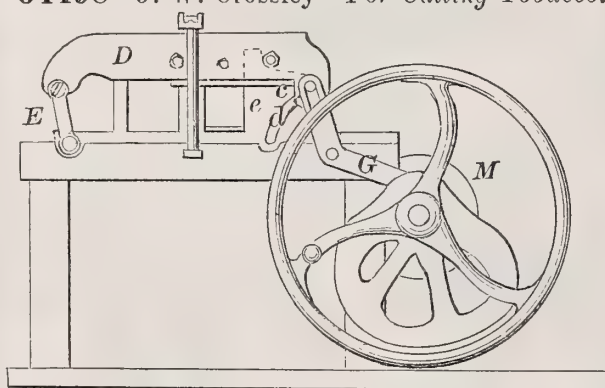
**64495**—Cope & Maxwell—*Screw Swedging Machine.*



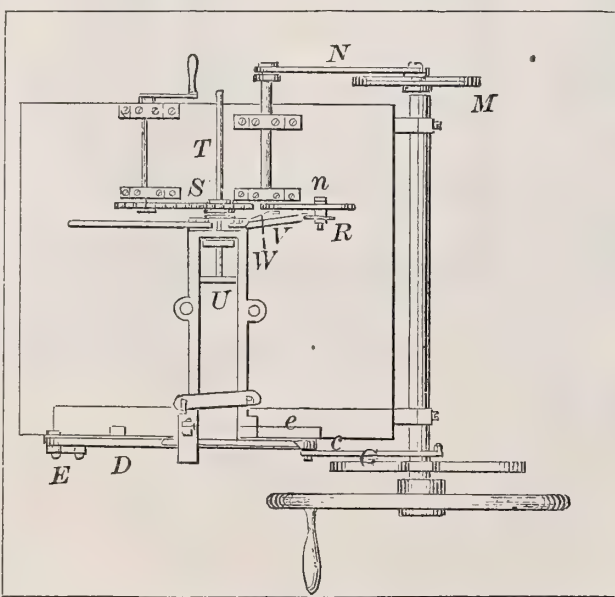
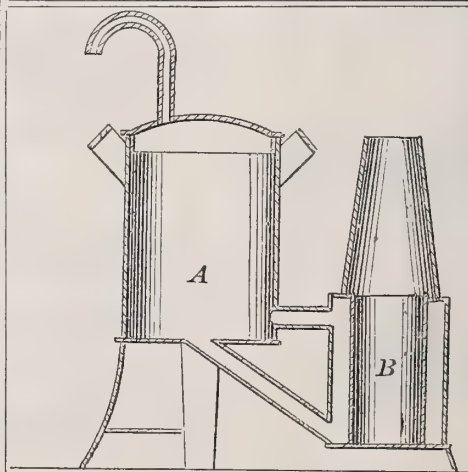
**64497**—G. H. Cross—*Steam Confection Pan.*



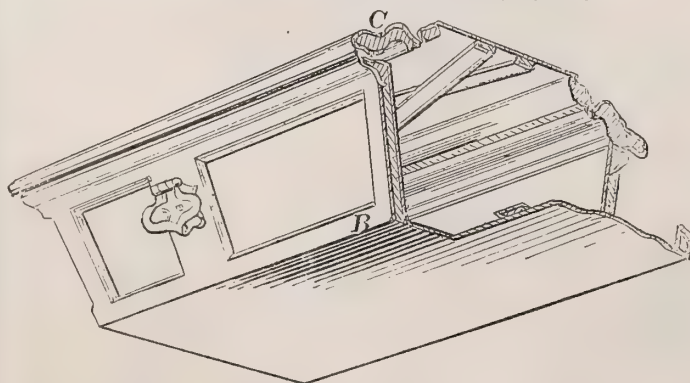
**64498**—J. W. Crossley—*For Cutting Tobacco.*



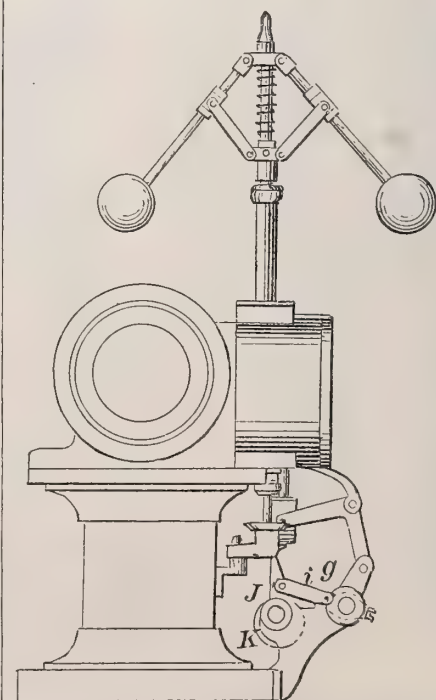
**64499**—L. Daubert—*For Extracting Oil from Herbs.*



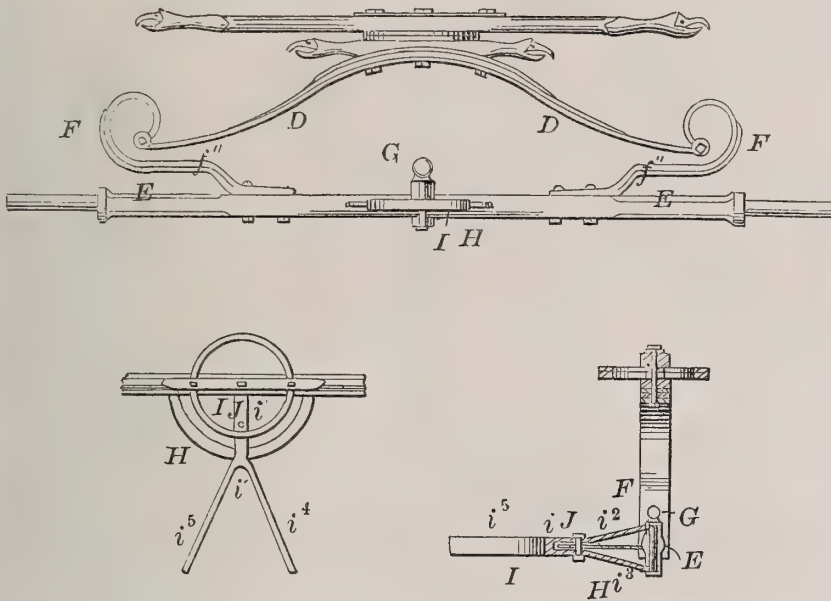
**64496**—M. H. Crane—*Metallic Burial Case.*



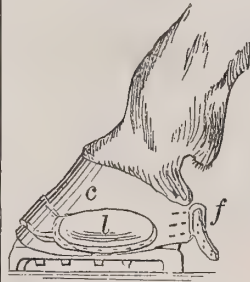
**64500**—Davis & Rollins—*Steam Engine Governor.*



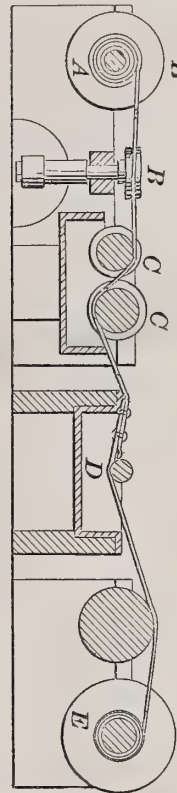
64501—T. De Witt—*Carriage Spring and Coupling.*



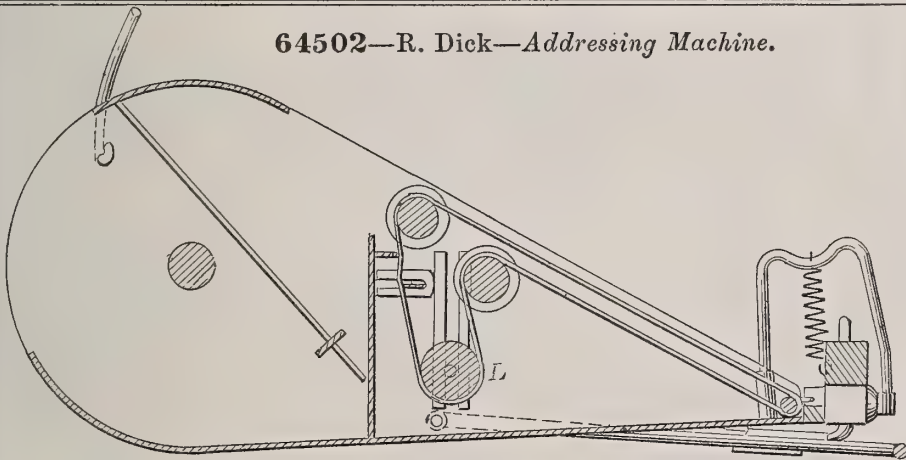
64506—F. B. Doughty—*Interfering Attachment.*



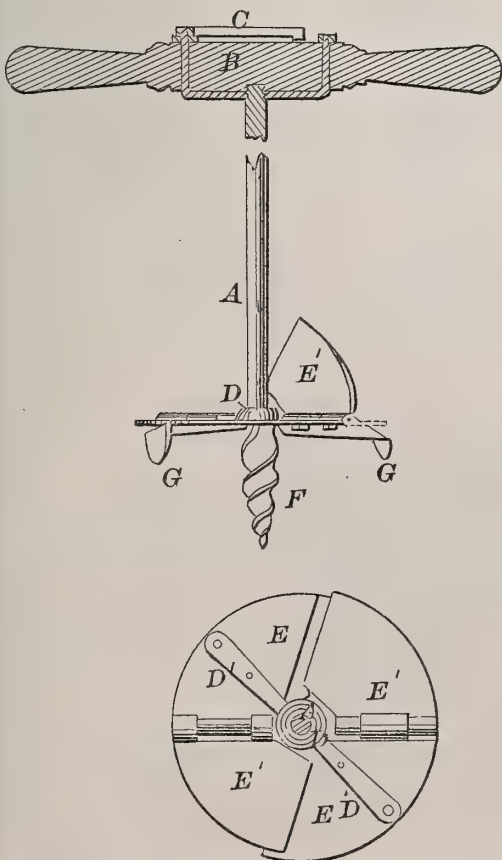
64505—A. B. Doolittle—*For Polishing Metal Springs.*



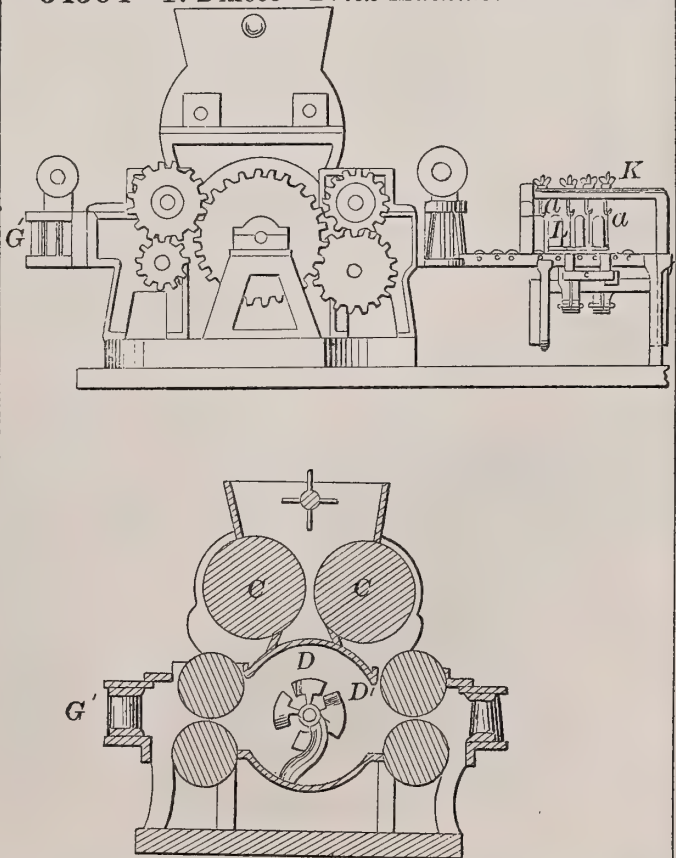
64502—R. Dick—*Addressing Machine.*



64503—A. J. Dine—*Earth Auger.*

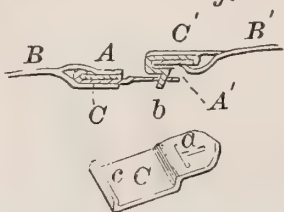


64504—T. Dixee—*Brick Machine.*

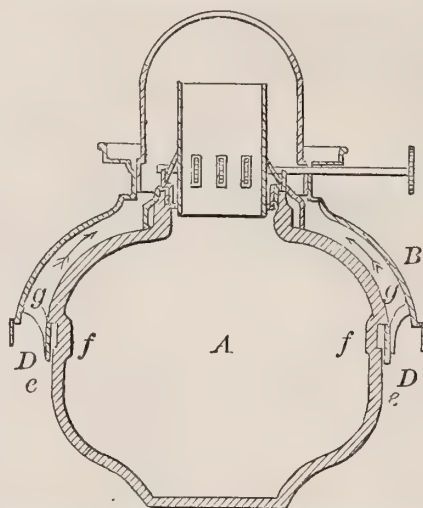




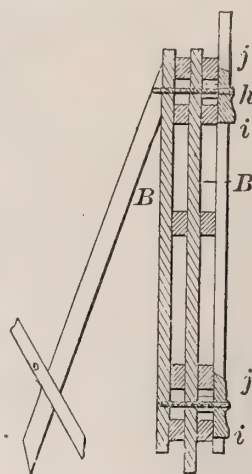
**64507**—J. F. Dubber—*Corset Fastening.*



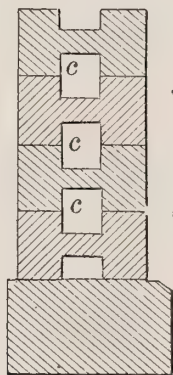
**64508**—M. B. Dyott—*Lamp.*



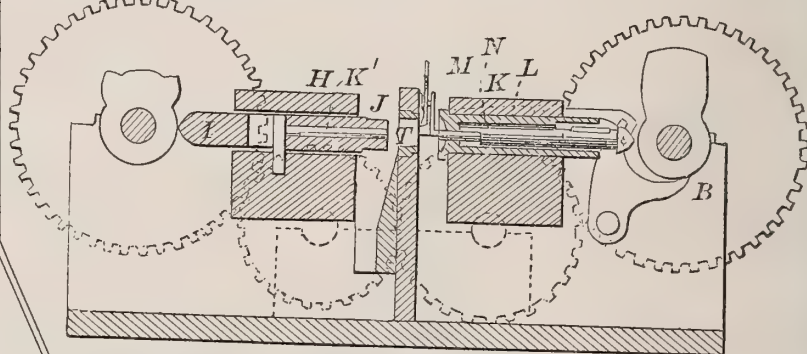
**64509**—F. Ellis—*Fence.*



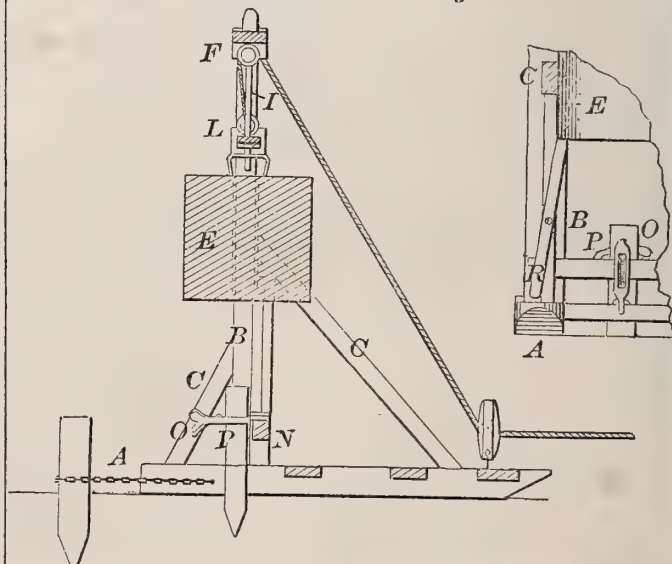
**64512**—B. F. Farrar—*Ventilation of the Walls of Buildings.*



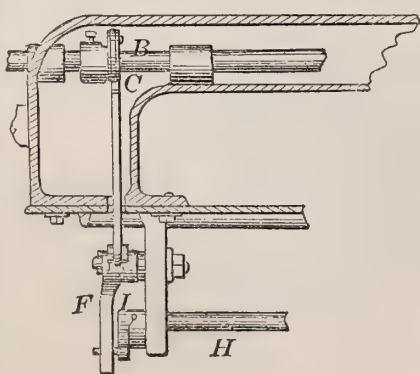
**64510**—A. Emerson—*For Making Nuts.*



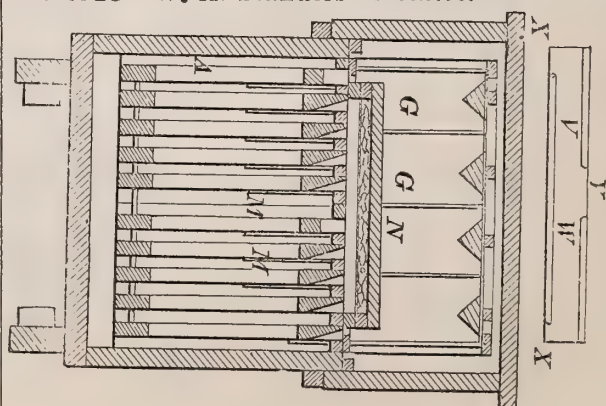
**64514**—C. T. Fitch—*Post Driving Machine.*



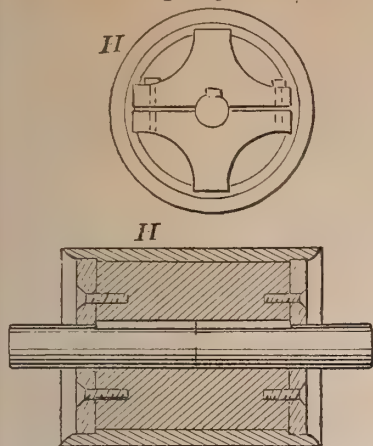
**64511**—B. Eybel—*For Converting Motion.*



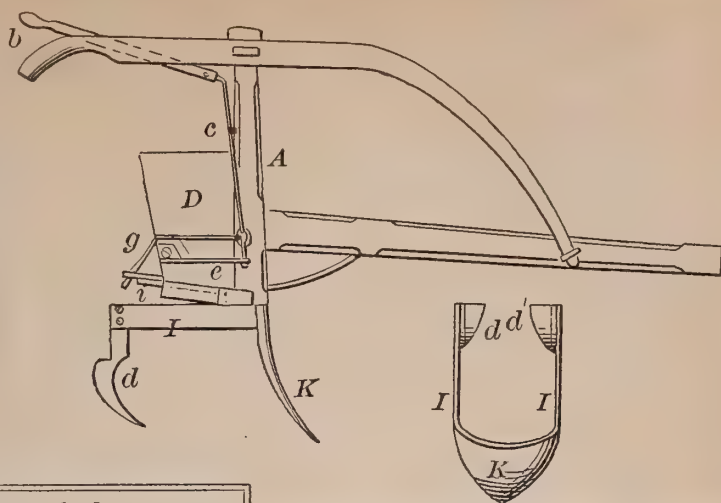
**64515**—W. A. Flanders—*Beehive.*



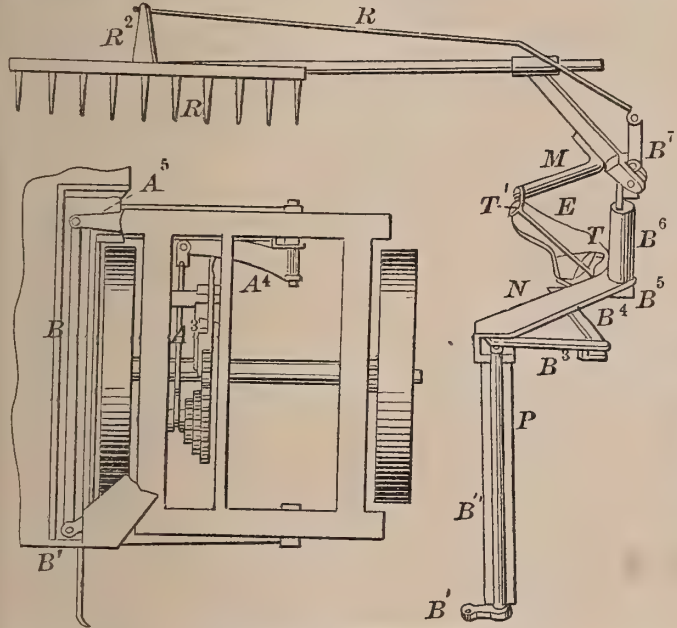
64516—H. C. Fritz—*Shaft Coupling.*



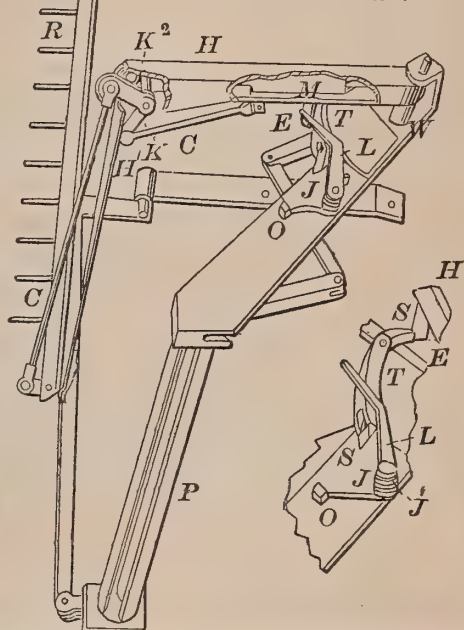
64519—W. L. Gebby—*Planter and Cultivator.*



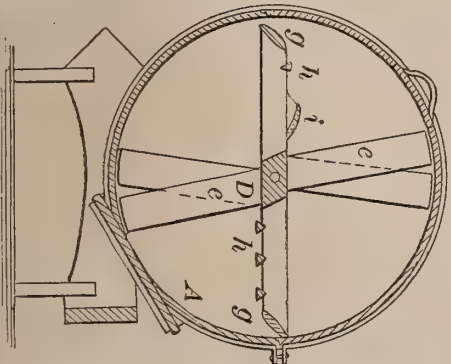
64520—W. F. Goodwin—*Harvester Rake.*



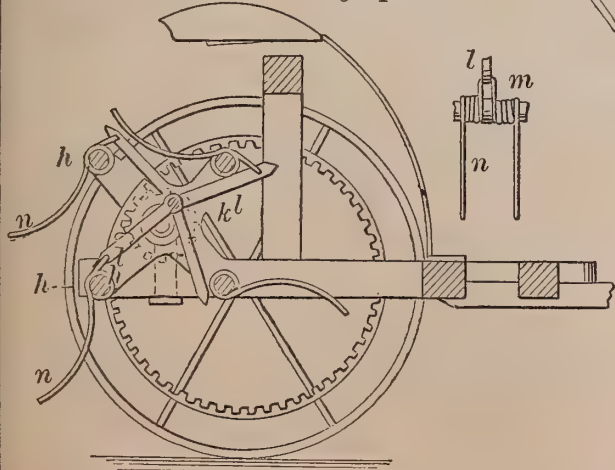
64521—W. F. Goodwin—*Harvester Rake.*



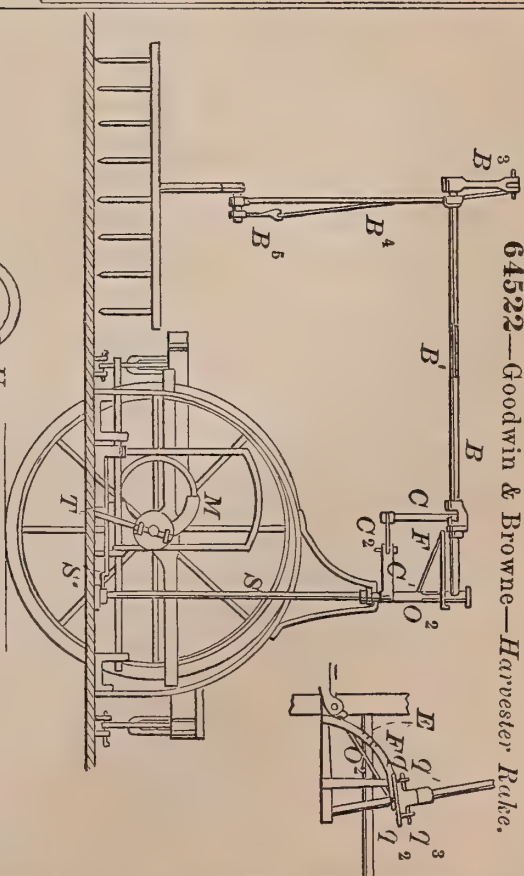
64517—J. Gallipo—*For Crutching Soap.*



64518—J. Garfield—*Hay Spreader.*

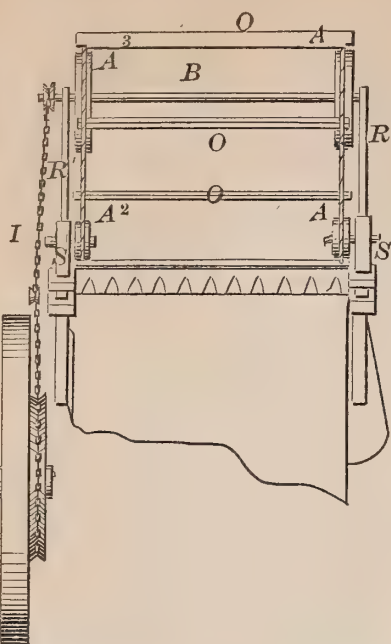


64522—Goodwin & Browne—*Harvester Rake.*





64523—Goodwin & Browne—  
*Harvester Rake.*



64524—L. Gore—*Soup Spout.*



Fig. 1

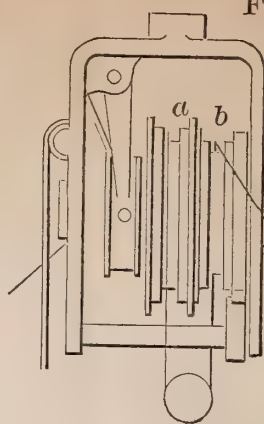


Fig. 11

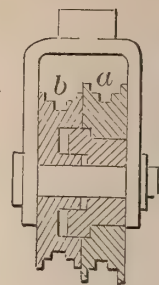
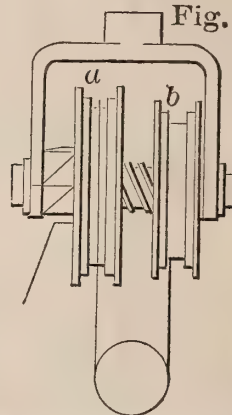
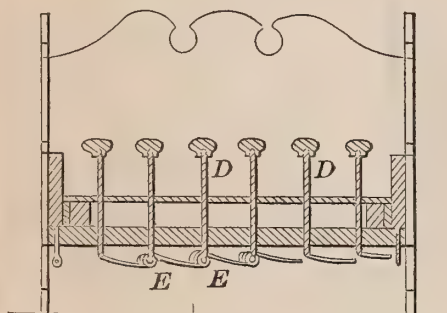


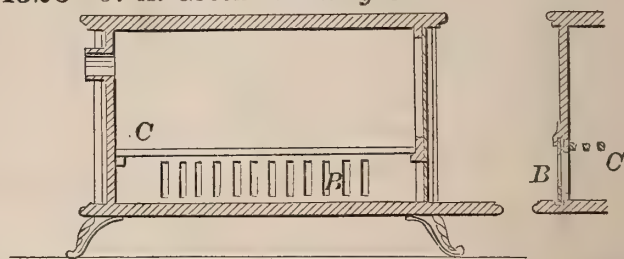
Fig. 9



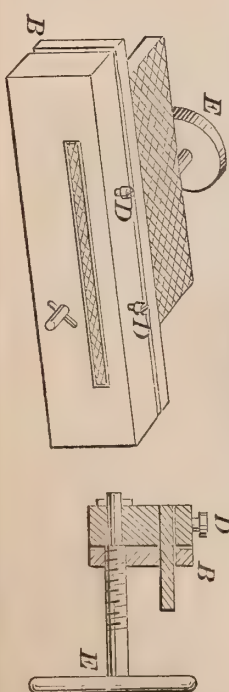
64528—C. H. Hardy—*Bed Bottom.*



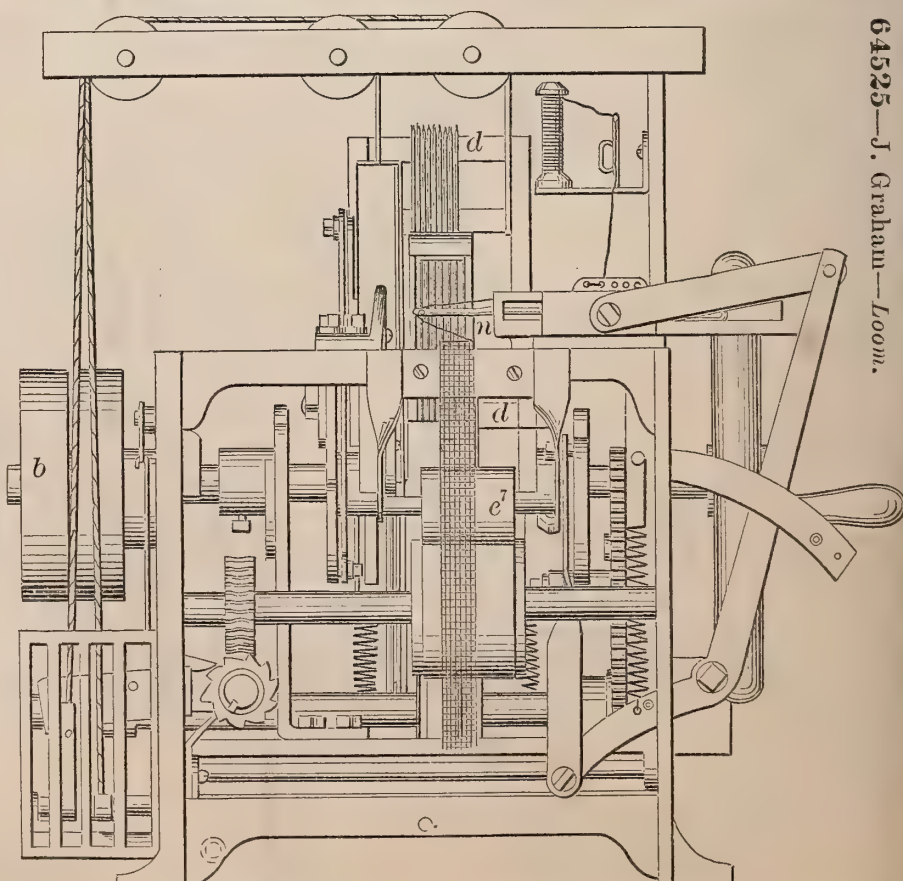
64526—J. H. Green—*Heating Stove.*



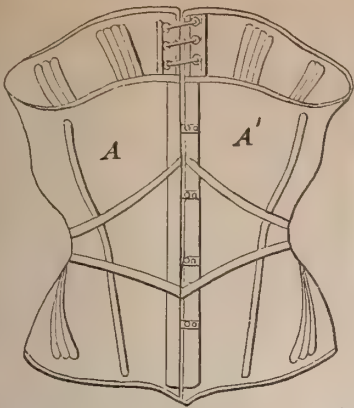
64529—W. F. Hellen—*Skate Sharpener.*



64525—J. Graham—*Loom.*



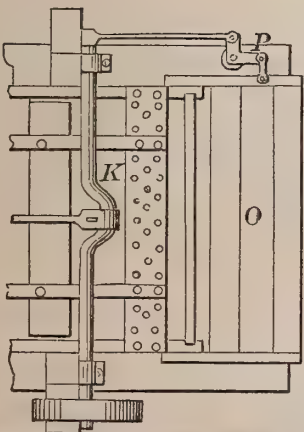
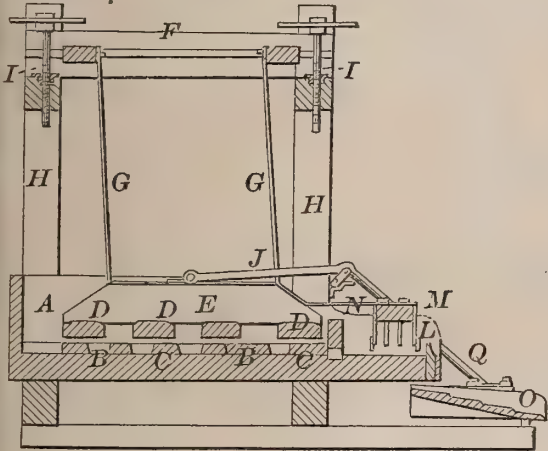
64530—E. Drucker—Corset.



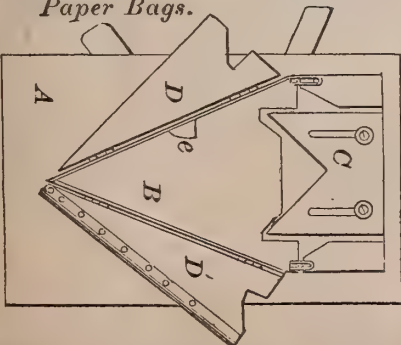
64532—A. Hobbs—Slide Valve.



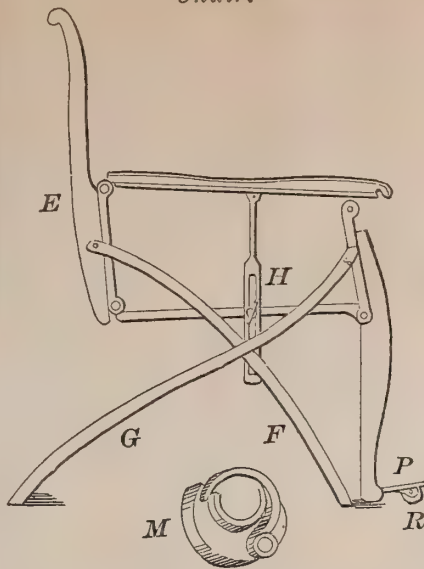
64534—A. Hunter—Amalgamator.



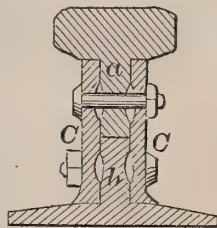
64537—G. L. Jaeger—Making Paper Bags.



64535—J. Hyde—Folding Chair.

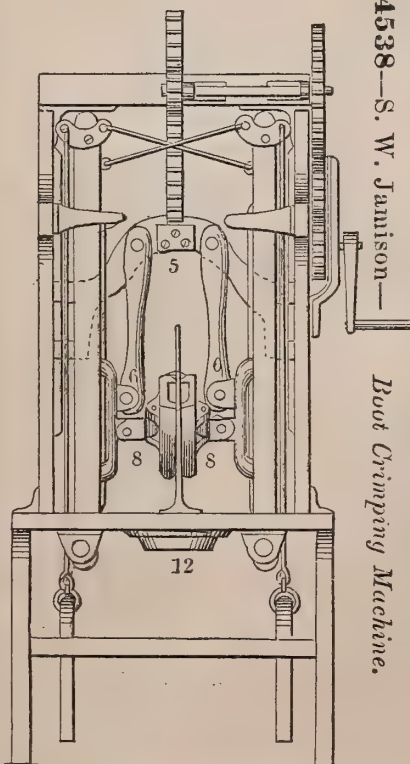


64536—L. B. Hymet—Railroad Rail.

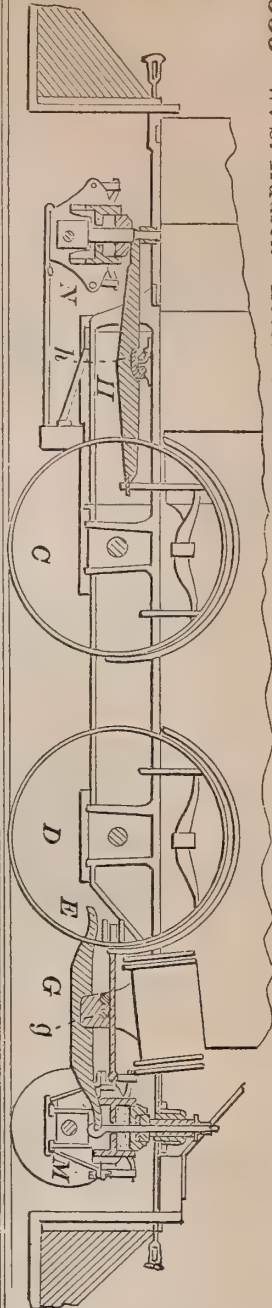


64538—S. W. Jamison—

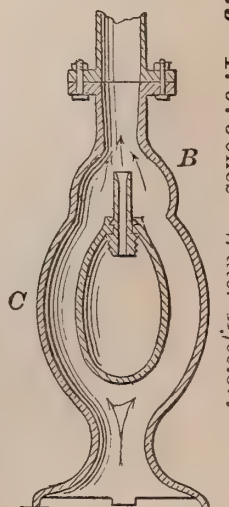
Boot Crimping Machine.



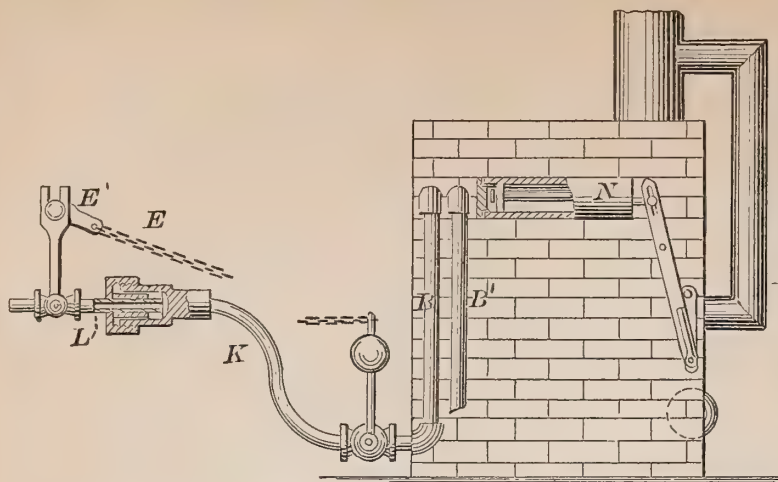
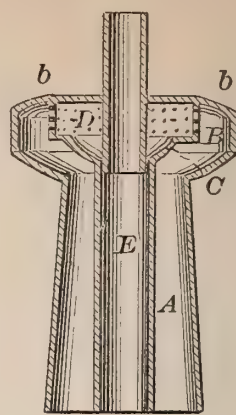
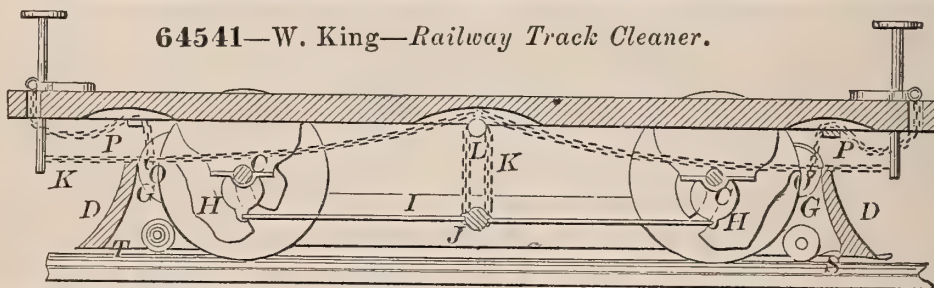
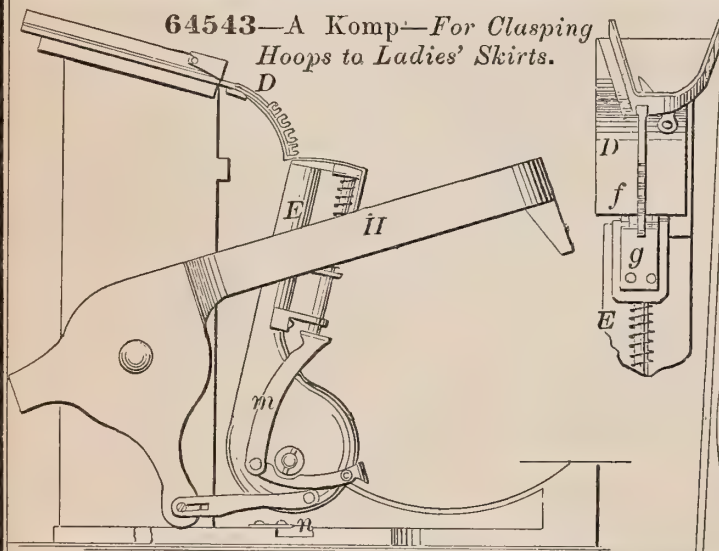
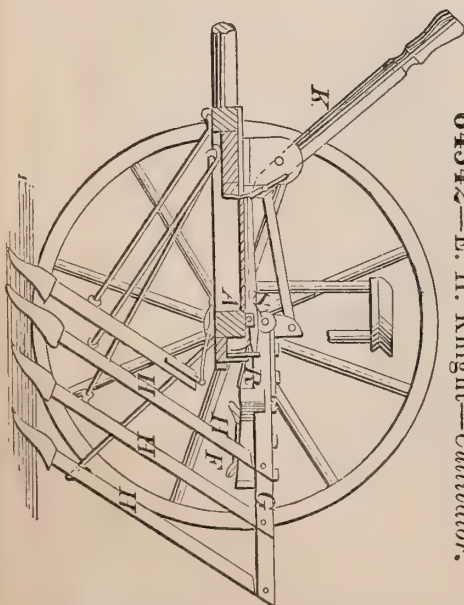
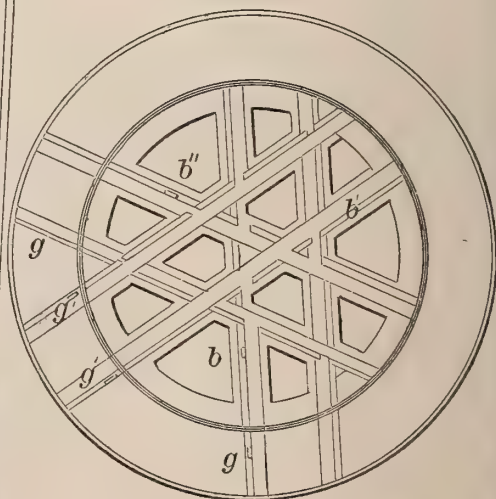
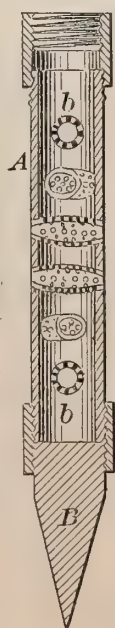
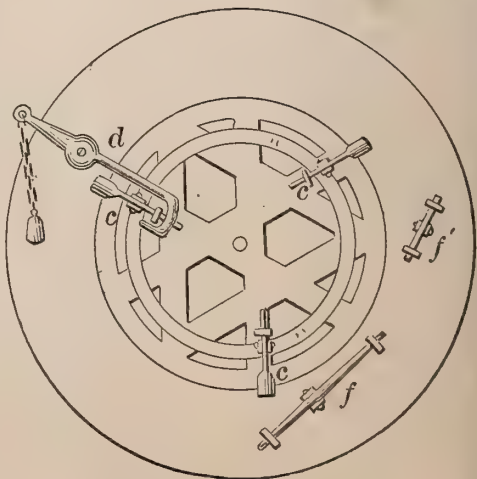
64533—W. S. Hulton—Locomotive Truck.



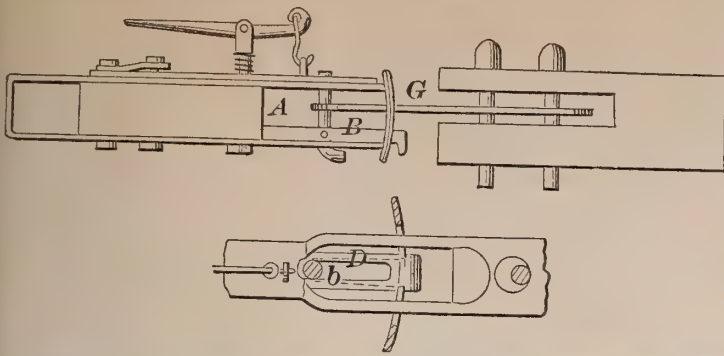
64539—T. J. Jones—Water Ejector.



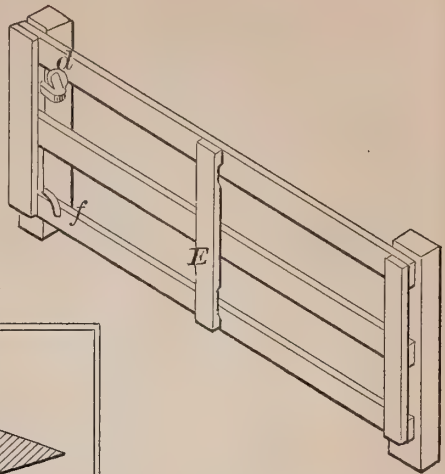


**64540**—P. M. Kafer—*Feed Water Heater.***64544**—H. Y. Lazear—*Gas Burner for Heating.***64541**—W. King—*Railway Track Cleaner.***64543**—A Komp—*For Clasping Hoops to Ladies' Skirts.***64545**—Lee & Mudge—*Railroad Turn Table.***64542**—E. H. Knight—*Cultivator.***64546**—T. S. Lewis—*Well Tube.*

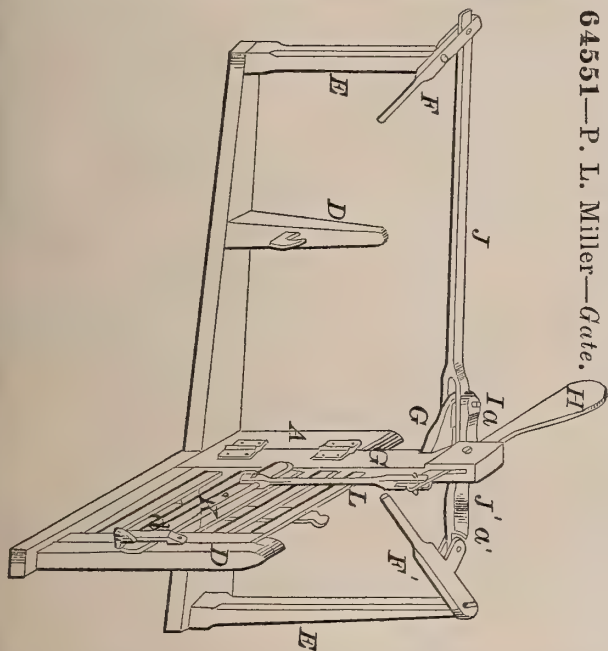
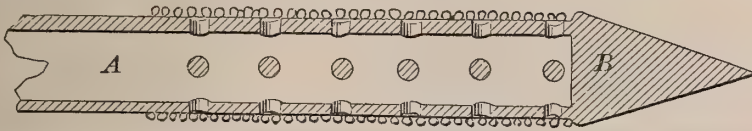
64547—E. Lindsley—*Car Coupling.*



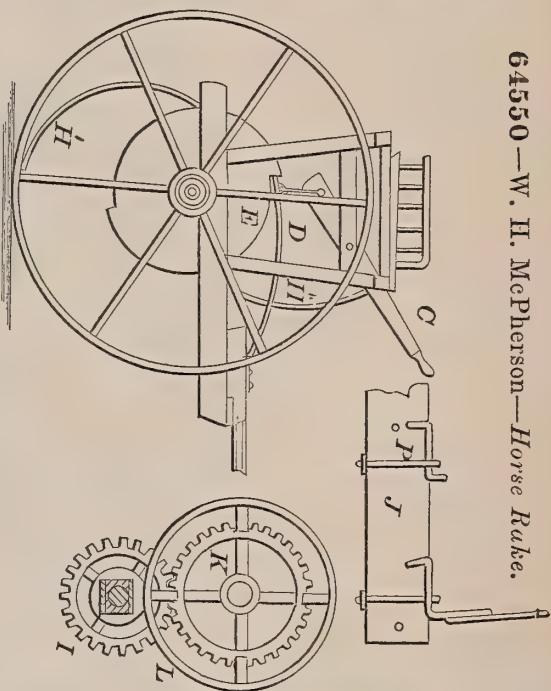
64548—J. McCreary—*Gate.*



64549—A. Y. McDonald—*Well Tube.*

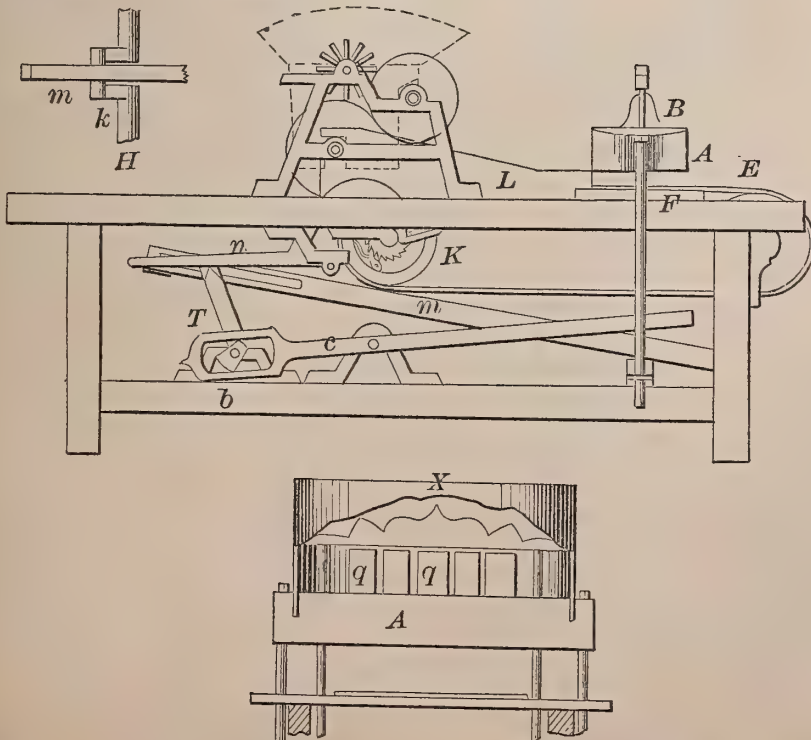


64551—P. L. Miller—*Gate.*

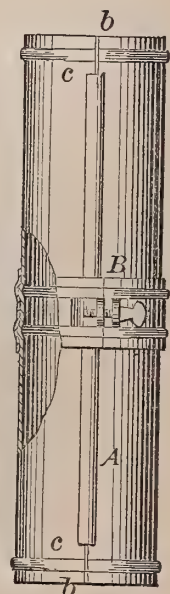


64550—W. H. McPherson—*Horse Rake.*

64553—H. C. Moore—*Peat Machine.*

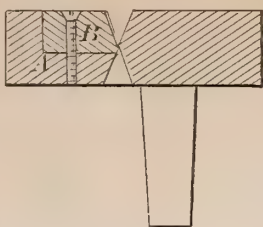


64552—Milliken & Pillsbury—*Stove Pipe Joint.*

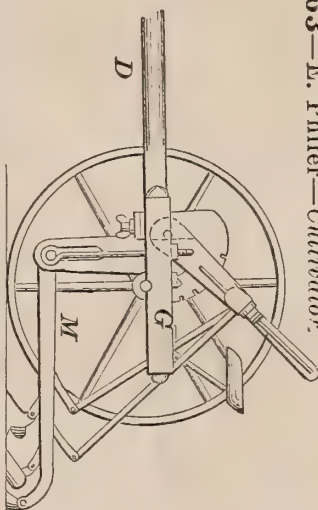




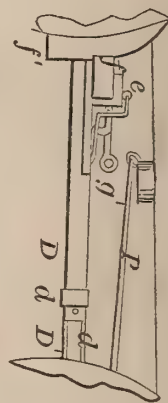
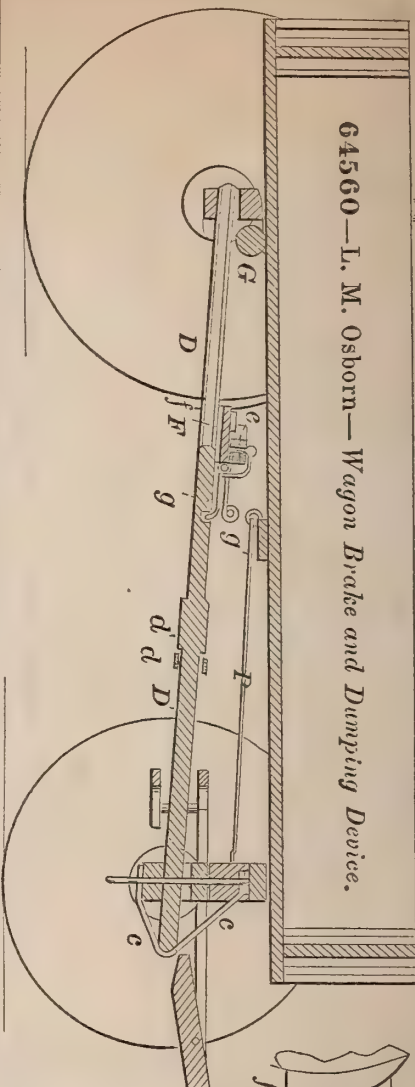
**64561**—P. A. Page—  
*For Swaging Horse  
Shoe Calks.*



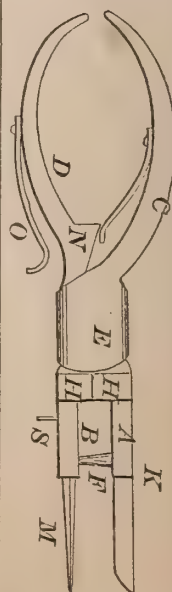
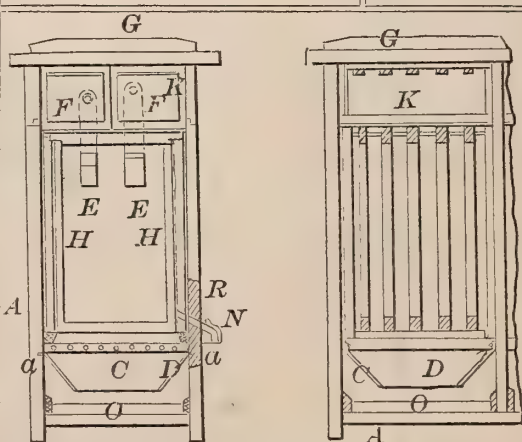
**64563**—E. Phifer—*Cultivator.*



**64560**—L. M. Osborn—*Wagon Brake and Dumping Device.*

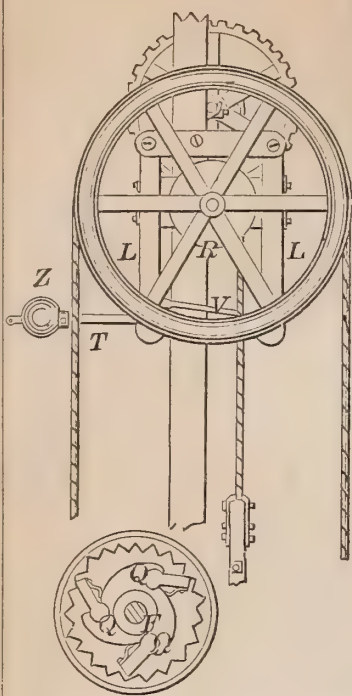


**64557**—Myers, Walsel & Spangler—*Beehive.*

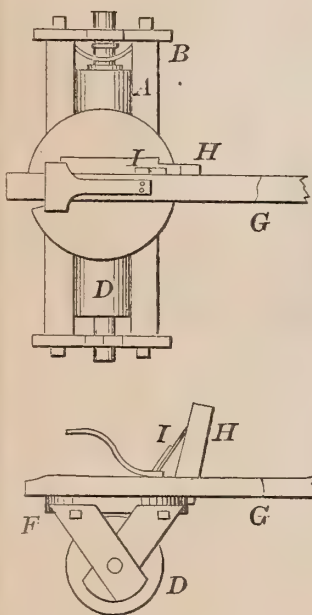


**64556**—J. Mulehahy—*Belt Punch.*

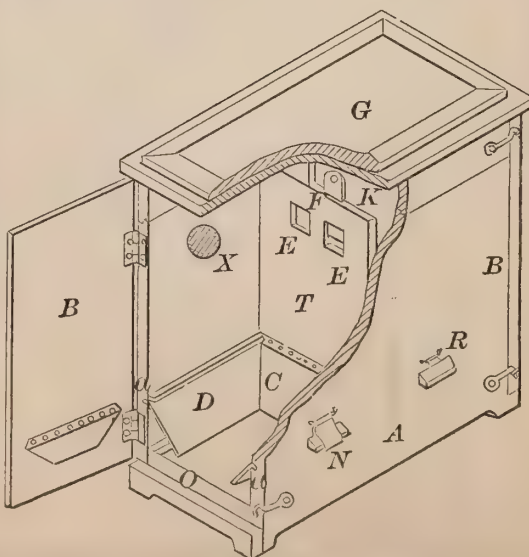
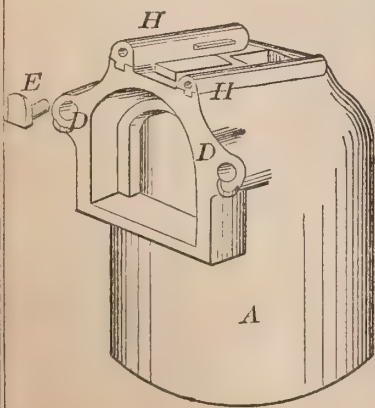
**64554**—J. Moore—*Friction Pawl.*



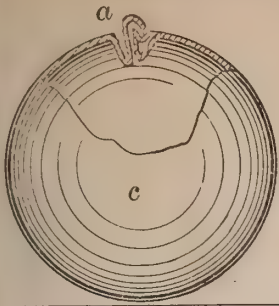
**64559**—E. F. Olds—*Field Roller.*



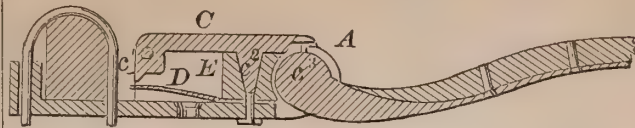
**64558**—C. Newman—  
*Pot for Melting Glass.*



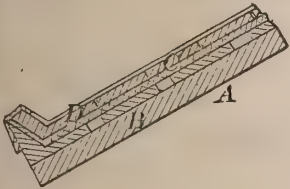
64564—L. Picot—Hollow Articles of Rubber.



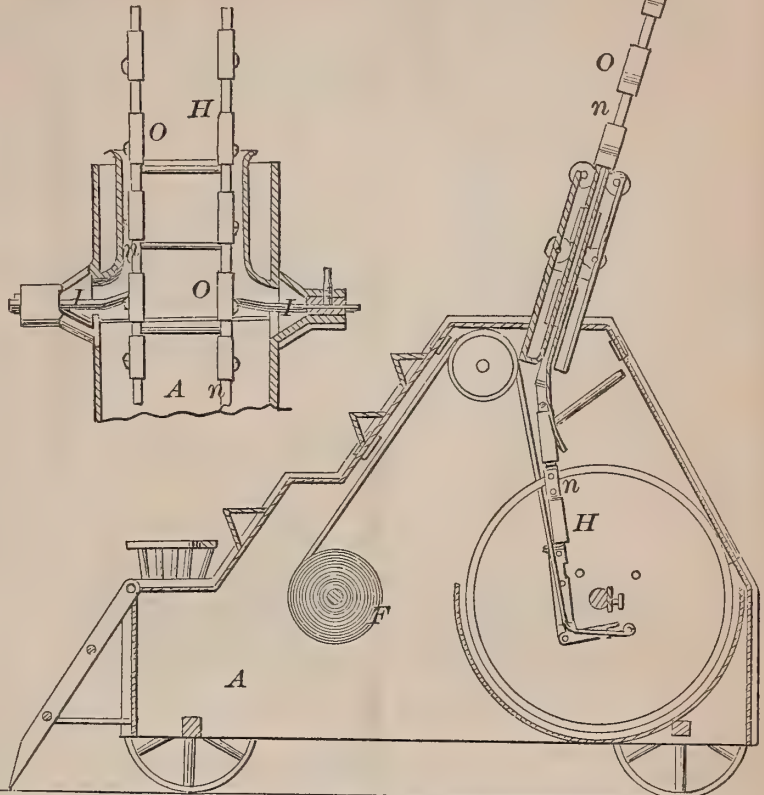
64565—E. R. Powell—Attaching Thills to Vehicles.



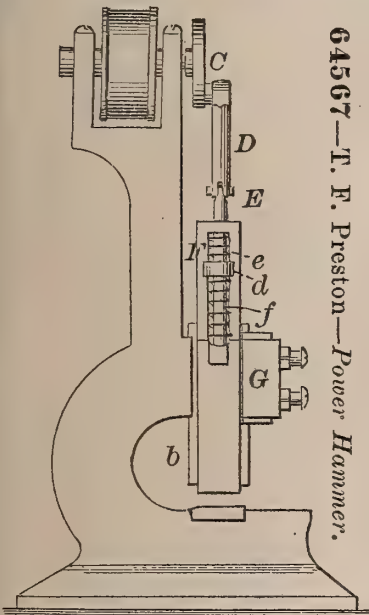
64566—S. Pratt—Roofing.



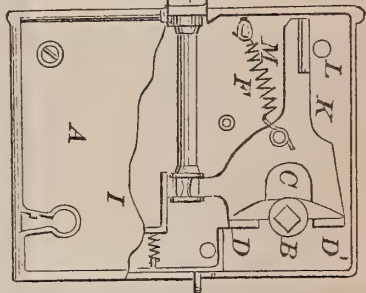
64569—A. Rigny—Fire Escape.



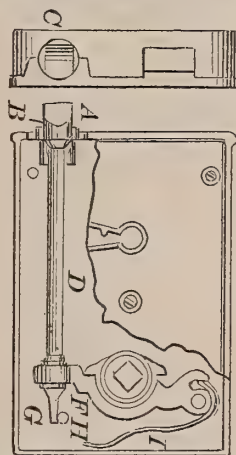
64567—T. F. Preston—Power Hammer.



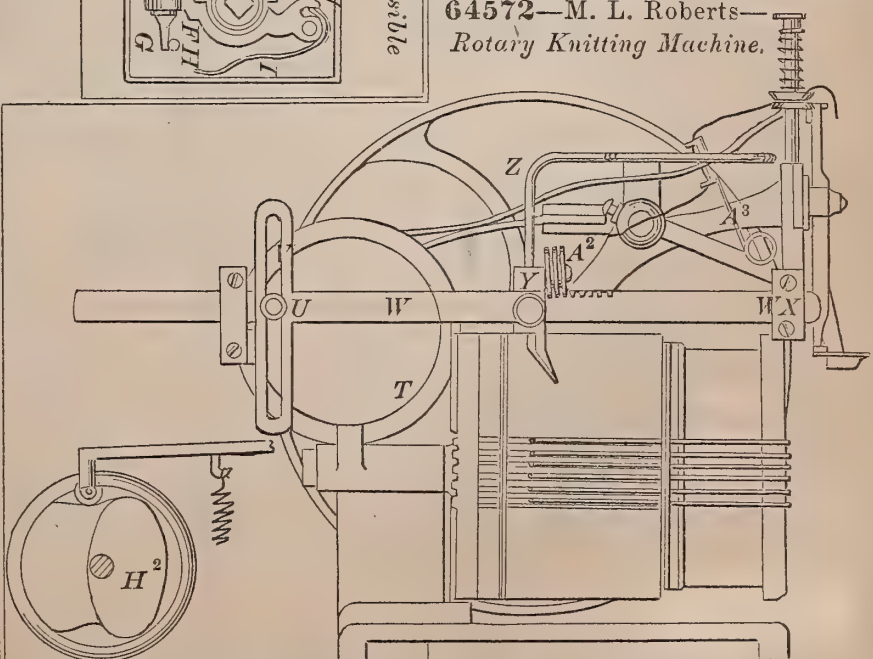
64570—H. M. Ritter—Reversible Knob Latch.



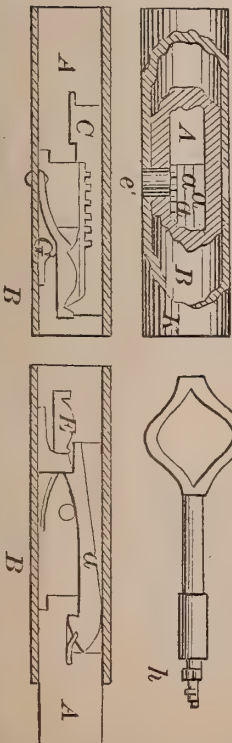
64571—H. M. Ritter—Reversible Knob Latch.



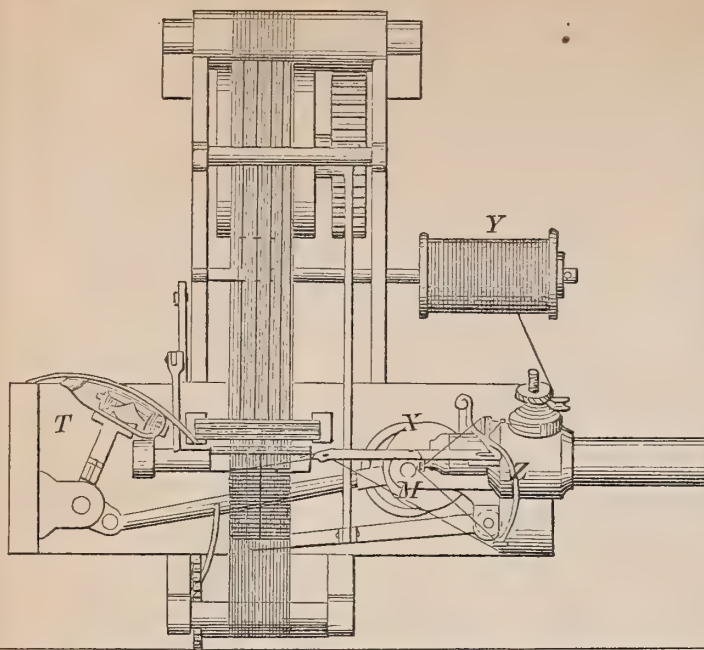
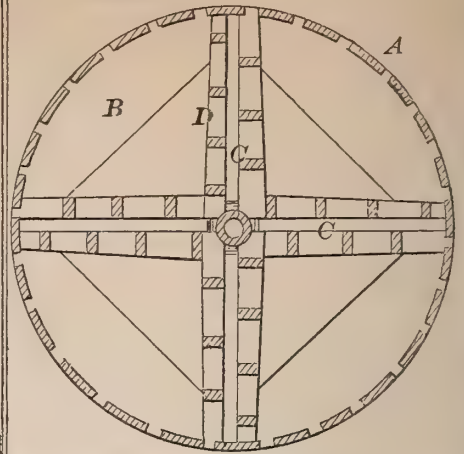
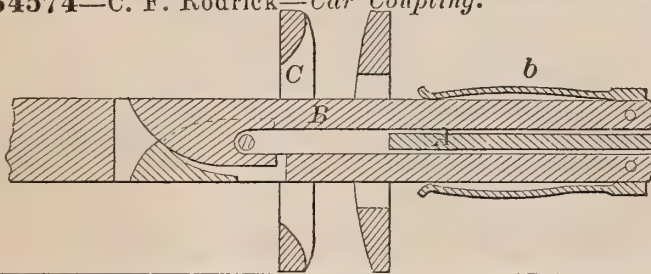
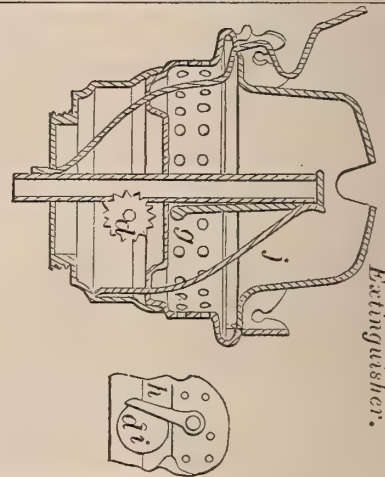
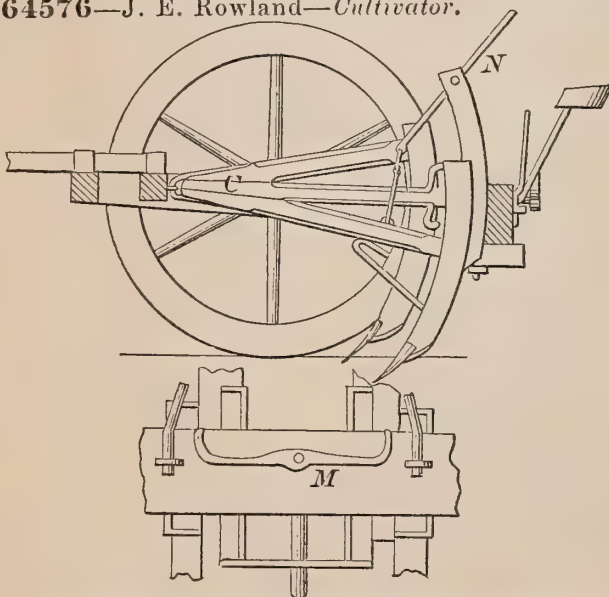
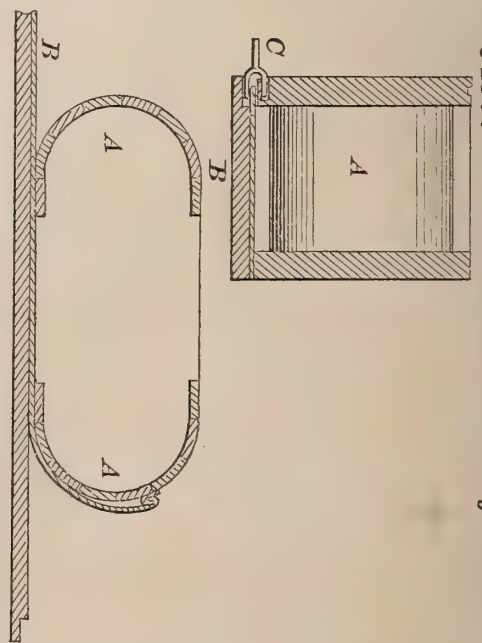
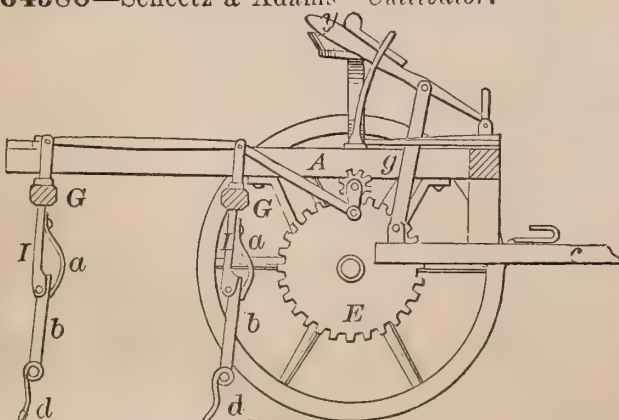
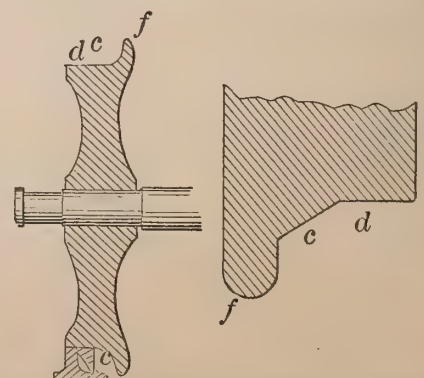
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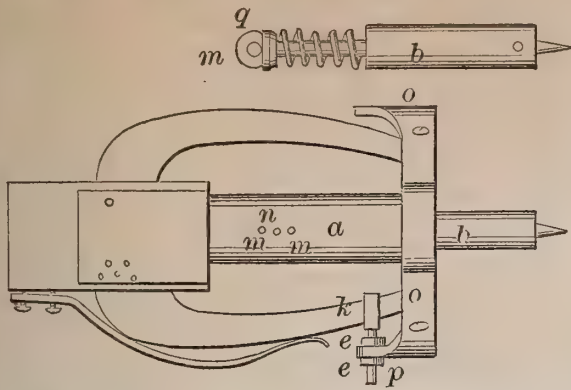
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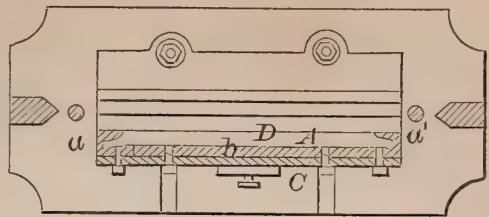


64573—T. Robjohn—*Loom.*64575—A. Ross—*For Washing Hides.*64574—C. F. Rodrick—*Car Coupling.*64578—M. Safford—*Lamp Extinguisher.*64576—J. E. Rowland—*Cultivator.*64577—E. S. Sackett—*For Forming Boilers.*64580—Schetz & Adams—*Cultivator.*64579—E. Sampson—*Car Wheel.*

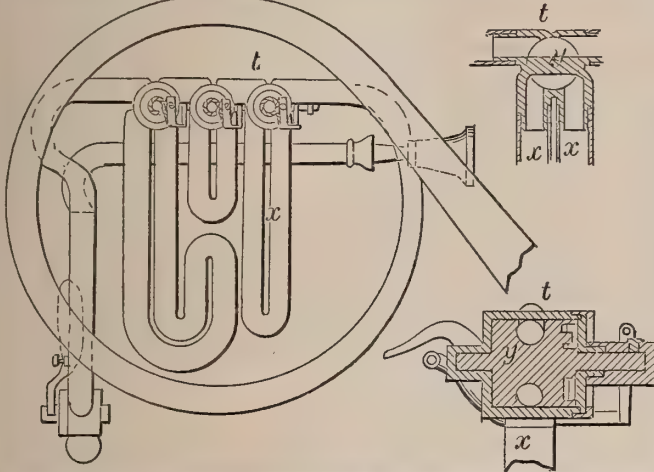
64581—J. G. Schmidt—For Cutting Bungs.



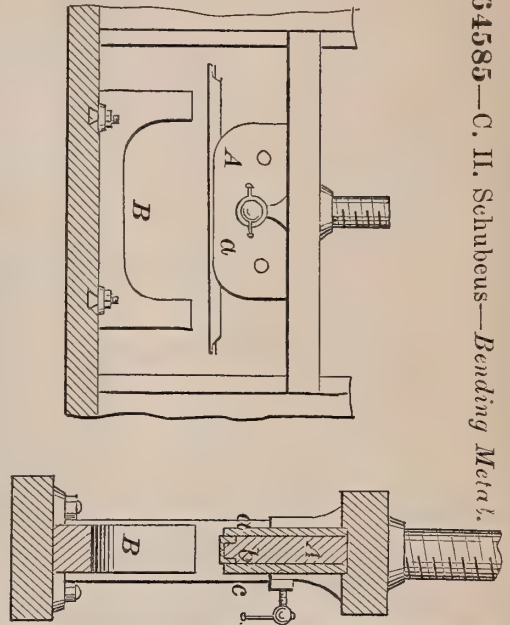
64583—C. H. Schubert—For Cutting Sheet Metal.



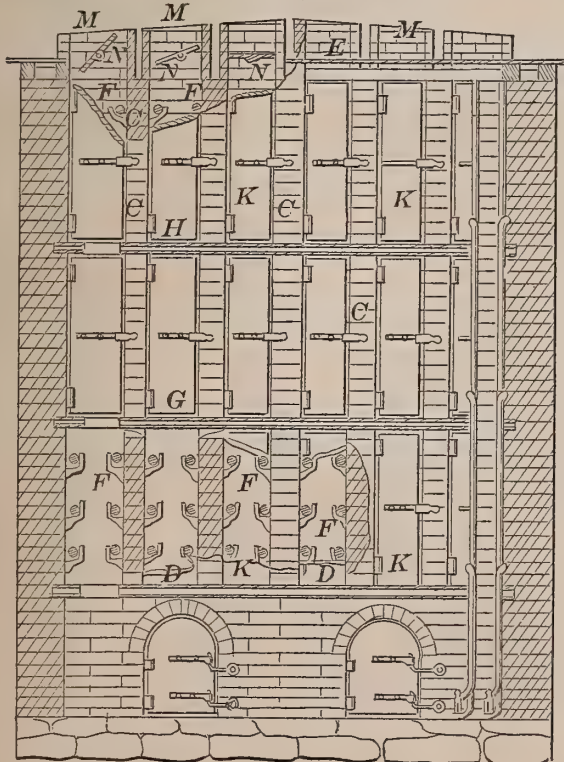
64582—L. Schreiber—Cornet, &c.



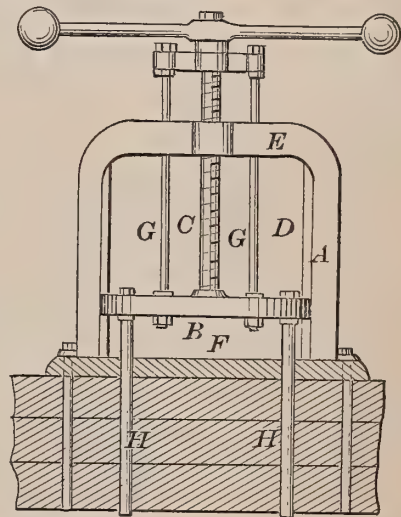
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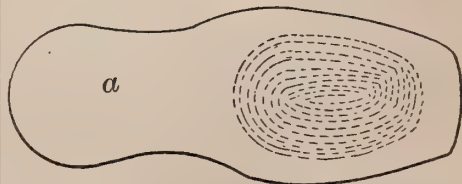
64586—J. Schultz—Dry House.



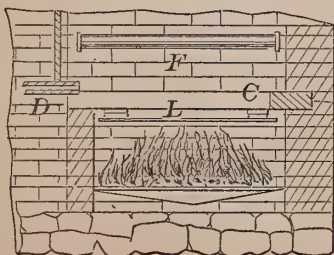
64584—C. H. Schubert—Metal Press.



64587—Sheffield & Coburn—Preparing Leather.

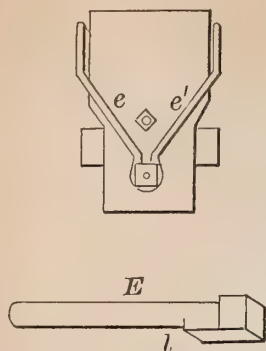


64588—F. R. Smith—Blind Slat Fastening.

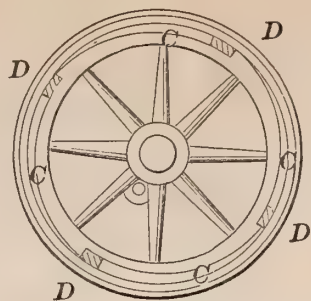




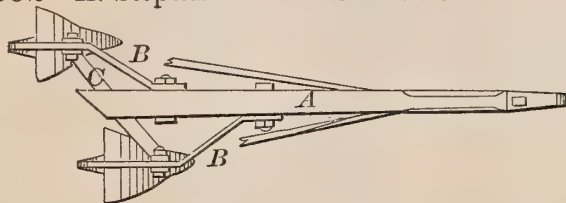
**64590**—L. Squire—*Thill Coupling.*



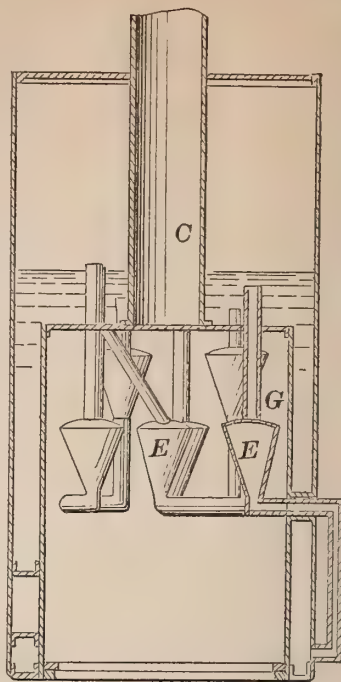
**64595**—G. Tefft—*Locomotive Wheel.*



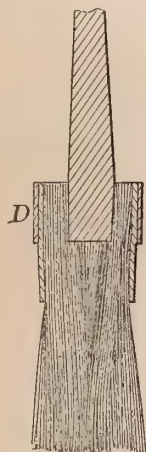
**64592**—H. Stepens—*Double Shovel Plow.*



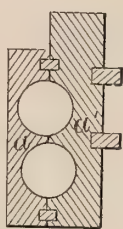
**64593**—Symmes & Hayes—*Steam Generator.*



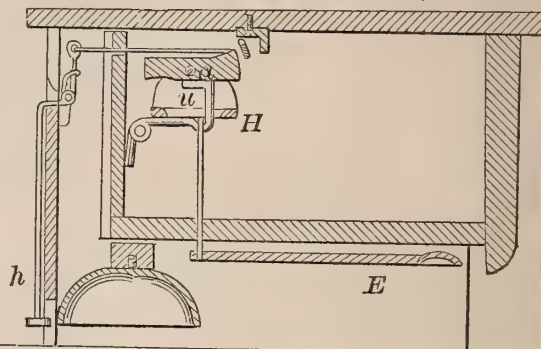
**64596**—E. Thayer—*Paint Brush.*



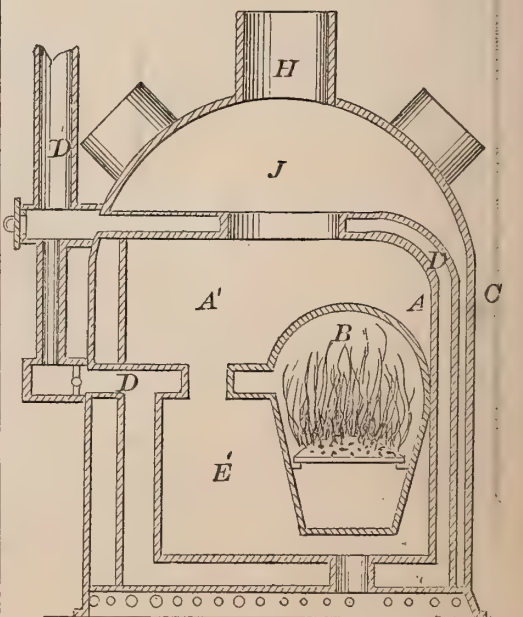
**64597**—J. H. Thomas—*Window Frame.*



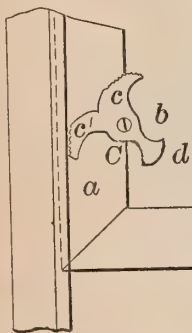
**64598**—C. Tucker—*Alarm Lock for Tills.*



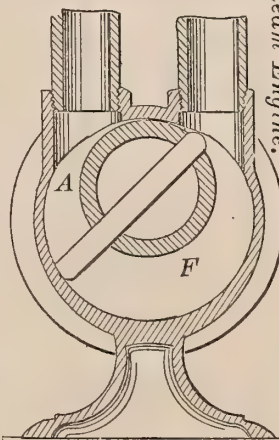
**64599**—J. S. Van Buren—*Heating Stove.*



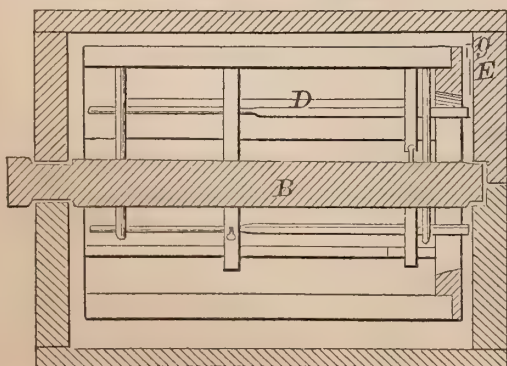
**64601**—P. Verbeek—*Window Fastening.*



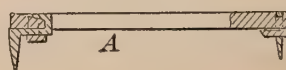
**64600**—J. B. Van Densen—*Rotary Steam Engine.*



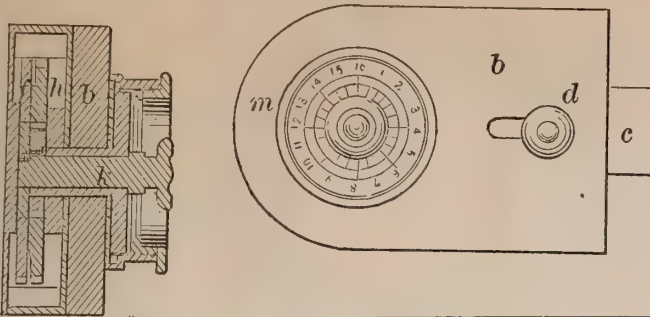
**64603**—J. W. Walters—*Flour Bolt.*



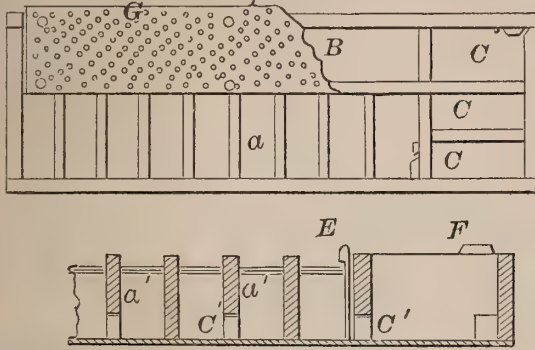
**64604**—C. Weitman—*Horse Shoe.*



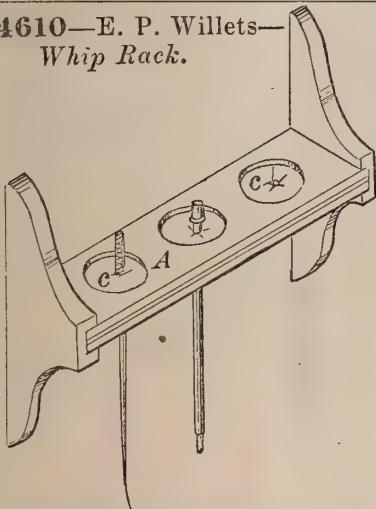
64605—S. Wheeler—*Permutation Lock.*



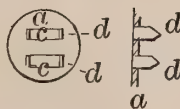
64606—N. H. Whisemand—*Sorghum Evaporator.*



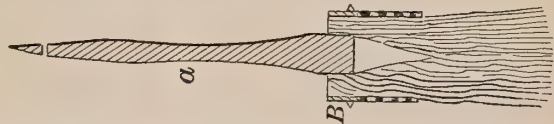
64610—E. P. Willets—*Whip Rack.*



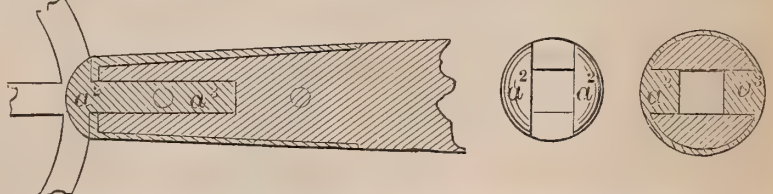
64608—J. W. Wilcox—*Fastening Envelopes, &c.*



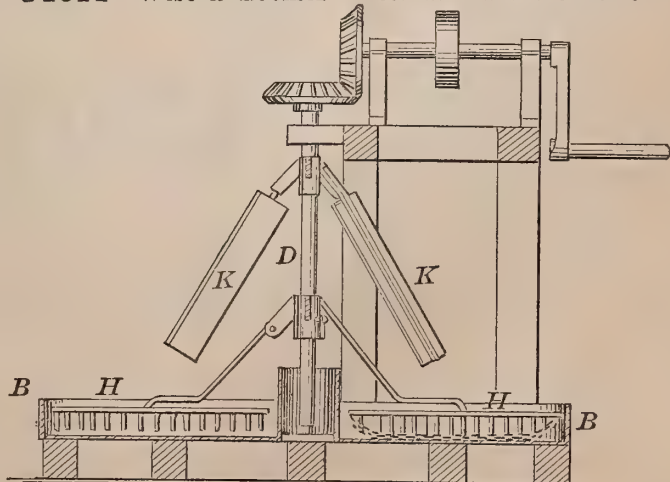
64607—J. S. White—*Paint Brush.*



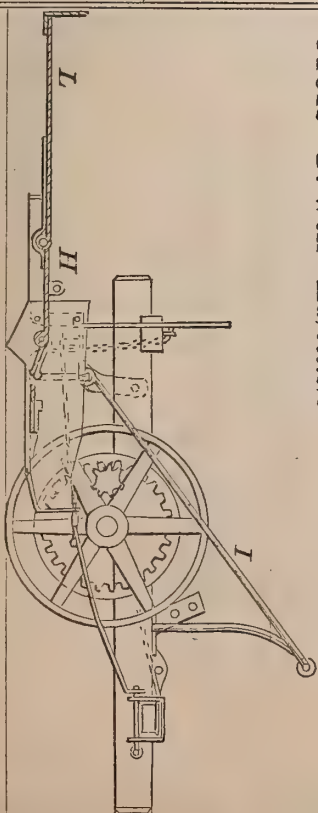
64613—T. H. Windle—*Metal Socket Ferrule.*



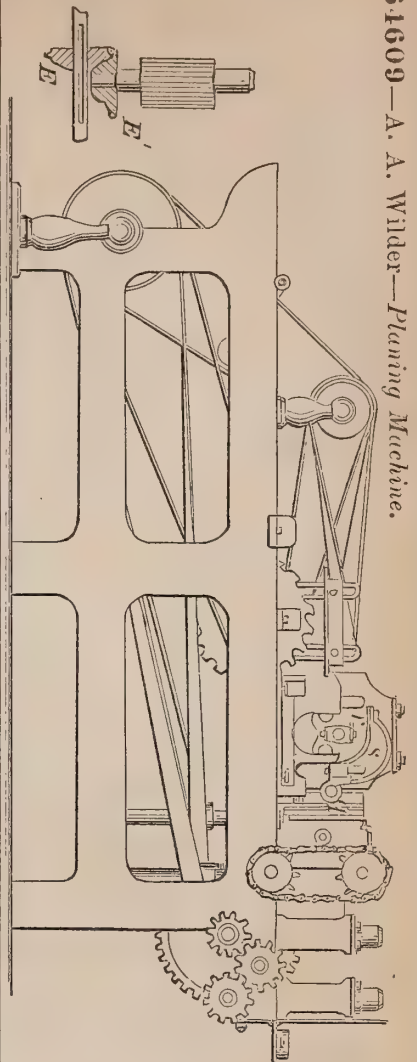
64614—Wise & Loeffler—*Beer and Mash Cooler.*



64615—D. Wolf—*Harvester.*

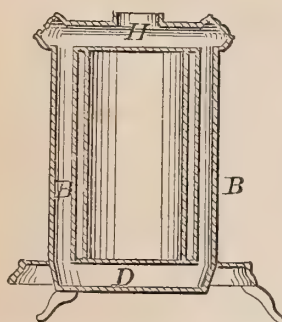
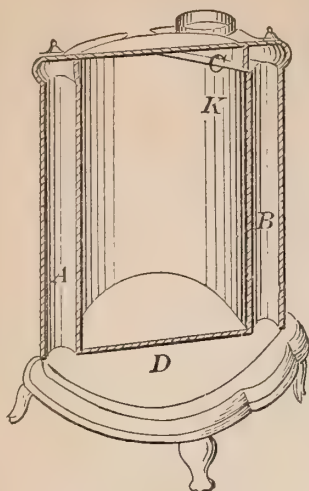


64609—A. A. Wilder—*Planing Machine.*

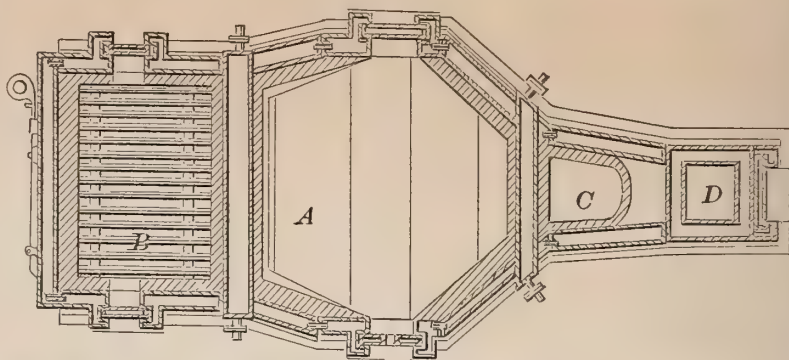




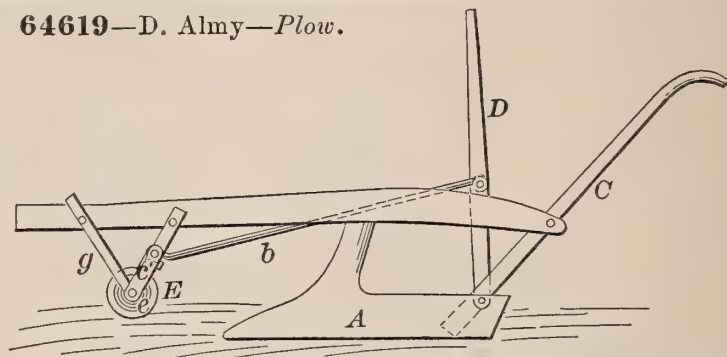
64616—G. G. Wolfe—Wood Burning Stove.



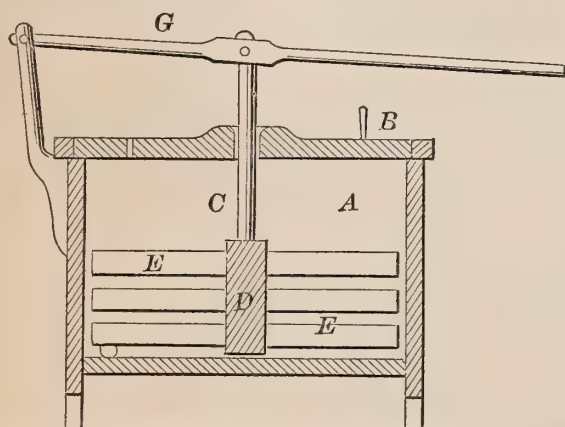
64617—Ridgway &amp; Lewis—Heating and Puddling Furnace.



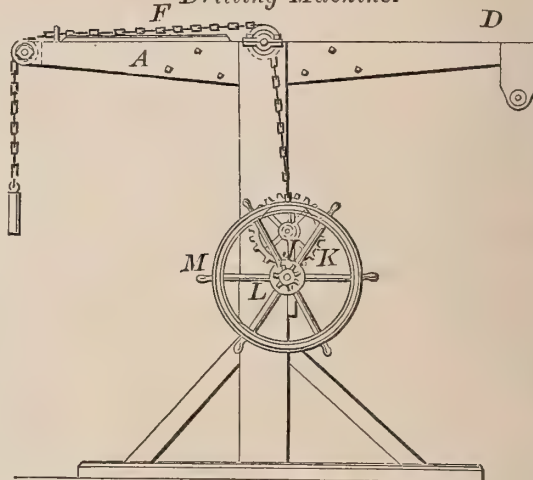
64619—D. Almy—Plow.



64618—W. Alexander—Churn.



64620—C. W. Atkeson—Well Boring and Drilling Machine.



64621—E. P. Banks—Cattle Tie.

Fig. 1

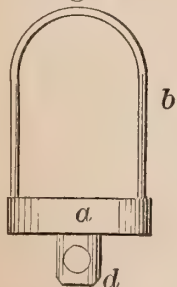
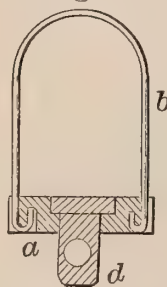


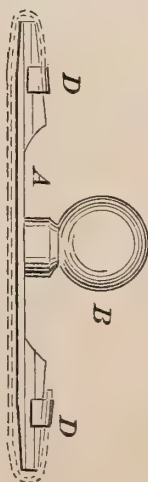
Fig. 3



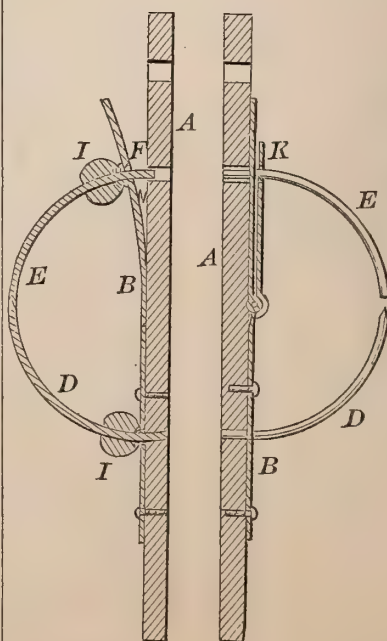
64622—C. Breckhemer—Vessel for Malting and Brewing.



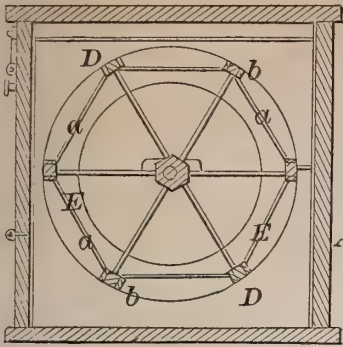
64623—R. Boeklen—Blotting Pad.



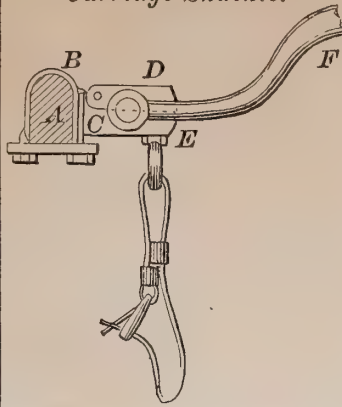
64624—R. Boeklen—Paper File.



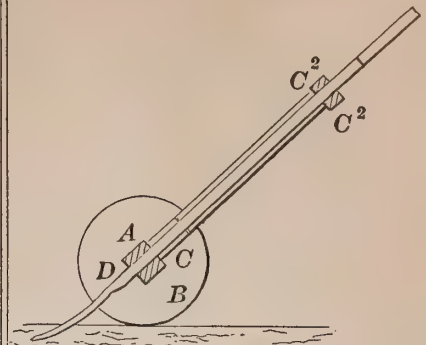
**64625**—B. Boorman—*Flour Bolt.*



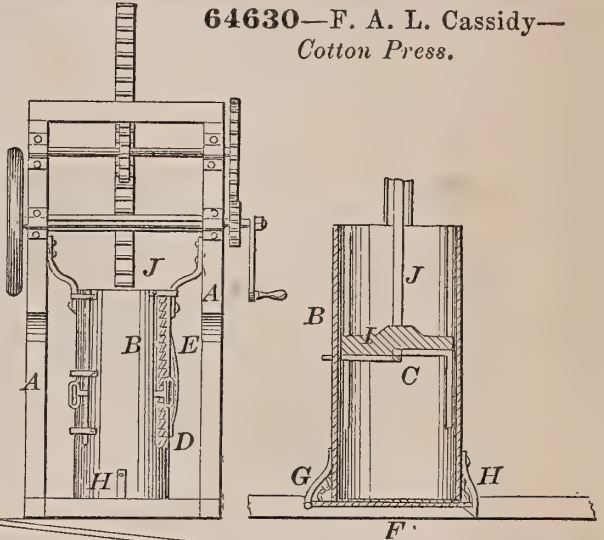
**64626**—J. Brennan—*Carriage Shackle.*



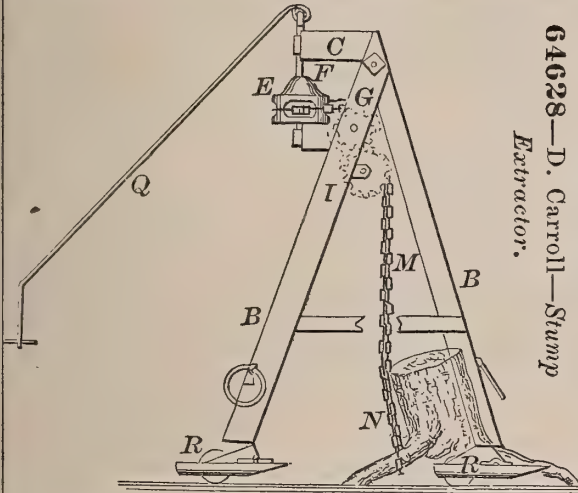
**64627**—T. & G. B. Burditt—*Potato Digger.*



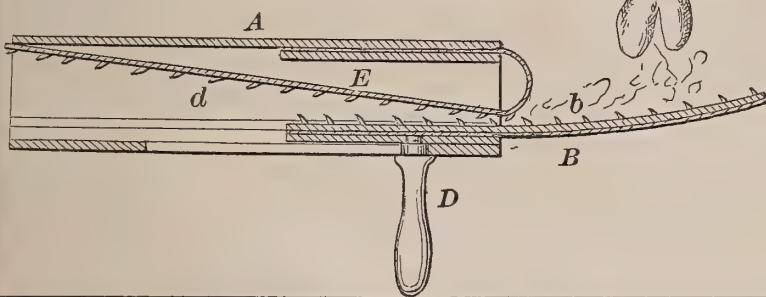
**64630**—F. A. L. Cassidy—*Cotton Press.*



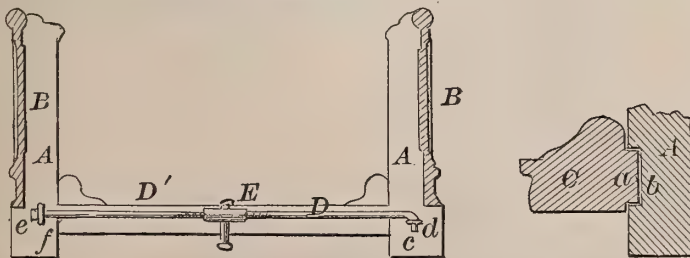
**64628**—D. Carroll—*Stump Extractor.*



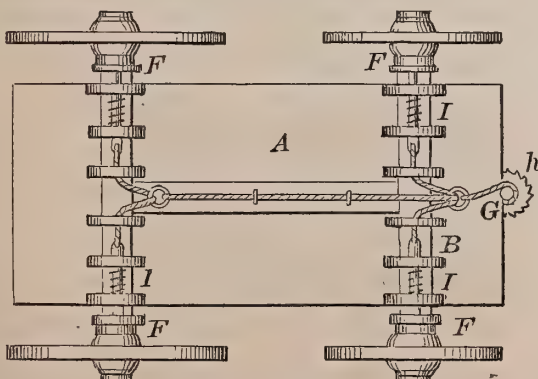
**64629**—J. E. Carver—*Cotton Picker.*



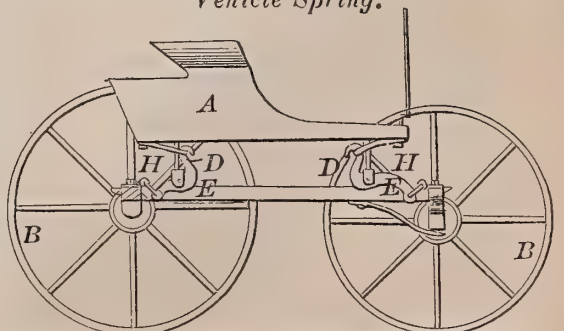
**64632**—G. G. Cochran—*Bedstead.*



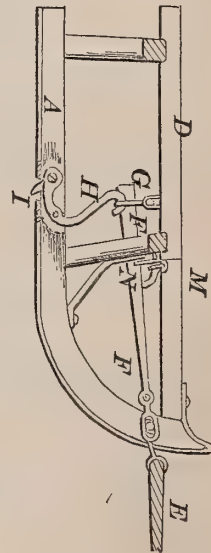
**64631**—T. G. Clifford—*Wagon Wheel Lock.*



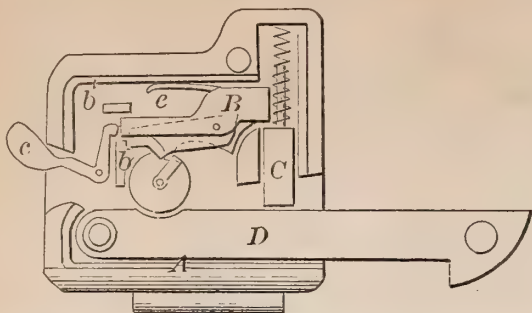
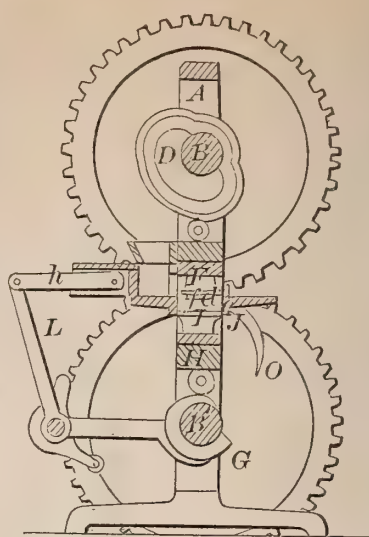
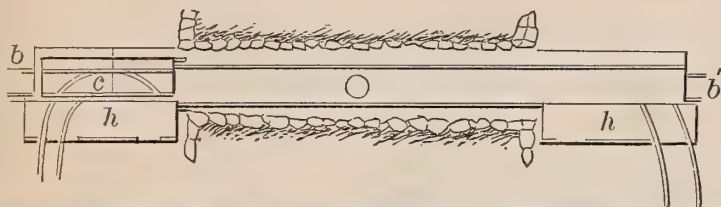
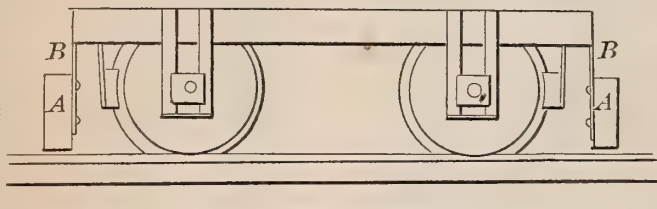
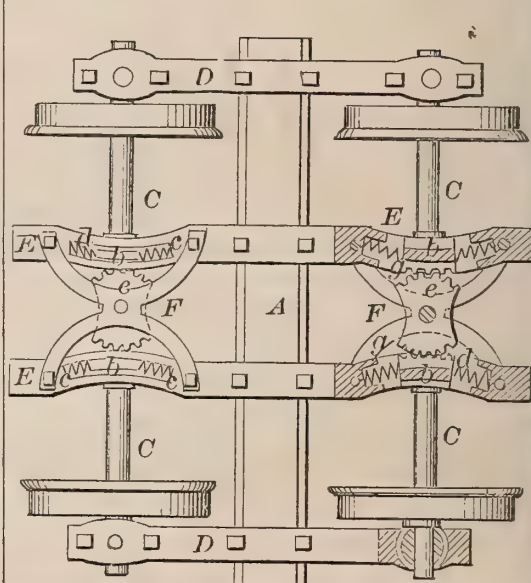
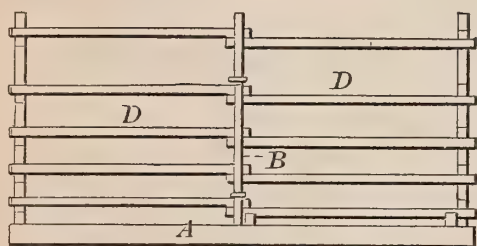
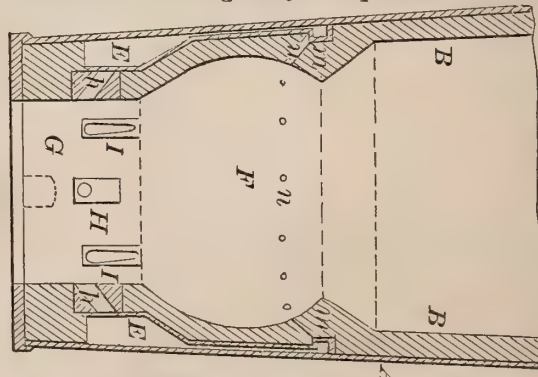
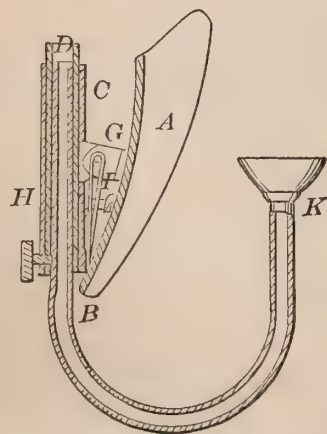
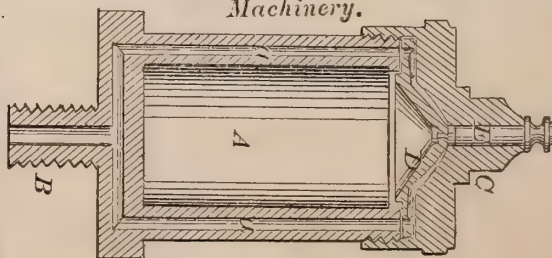
**64634**—Columbia, Stocking & Woodruff—*Vehicle Spring.*



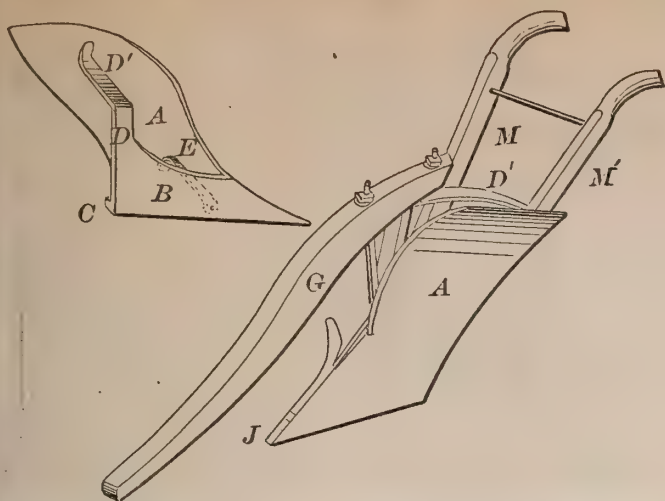
**64633**—F. Cohlmeier—*Sleigh Brake.*



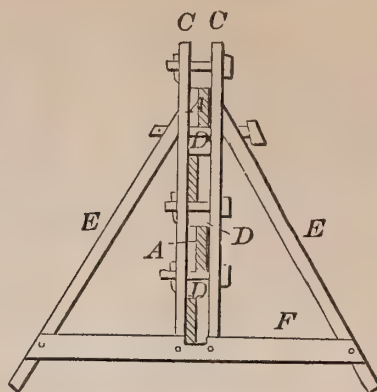


**64635**—G. B. F. Cooper—*Lock for Car Doors.***64637**—H. Crofoot—*Pressing Brick.***64636**—J. H. Crane—*Transporting Cars through Tunnels.***64639**—F. M. Dunoy—*Guard for Railway Cars.***64640**—J. Q. A. De Huff—*Car Truck.***64641**—F. Dickinson—*Field Fence.***64642**—J. V. Dinsmore—*Car Wheel.***64645**—J. Dougherty—*Cupola Furnace.***64644**—D. Dodge—*Uterine Supporter.***64646**—Douglas & Ingler—*Oil Cup for Machinery.*

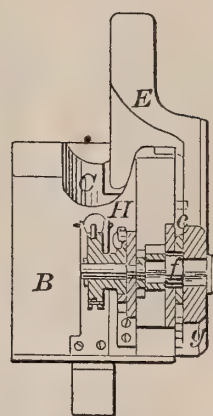
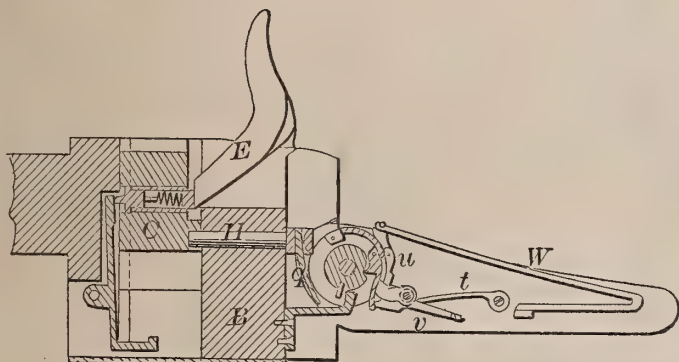
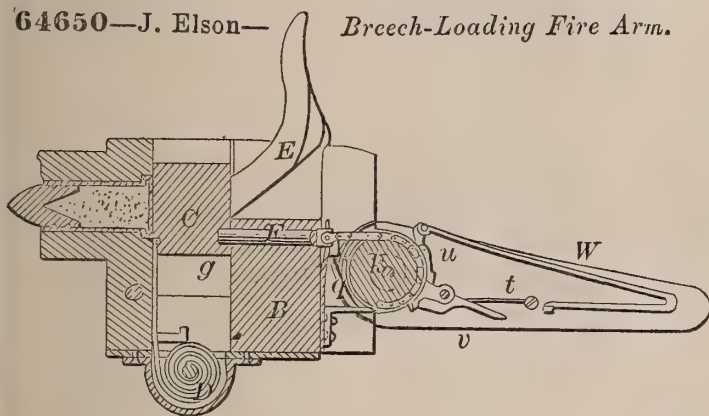
64647—J. C. Duncan—*Plow.*



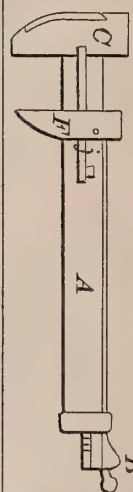
64648—J. C. Duncan—*Portable Fence.*



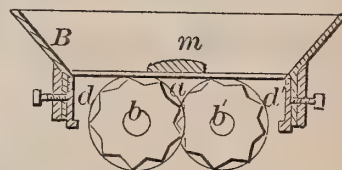
64650—J. Elson—*Breech-Loading Fire Arm.*



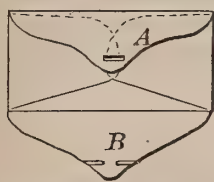
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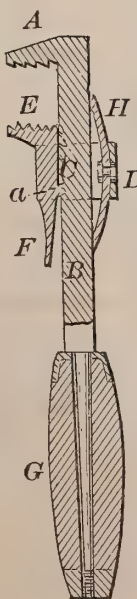
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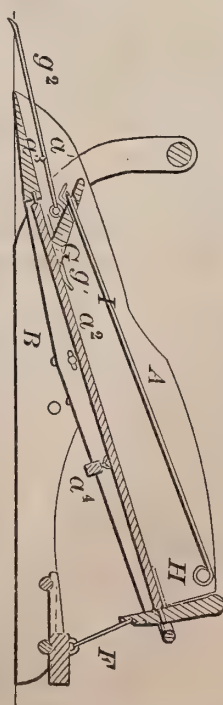
64653—E. Fitzki—*Envelope.*



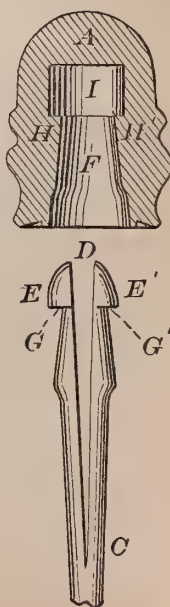
64656—M. H. Freeman—*Pipe Wrench.*



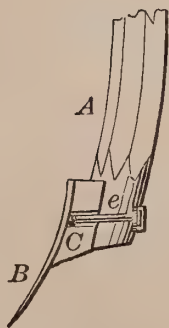
64655—P. S. Foster—*Road Scraper.*



64654—G. Floyd—*Insulator.*

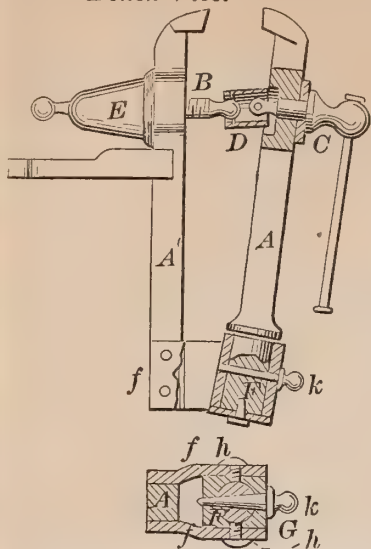


64657—A. Friberg—*Cultivator.*

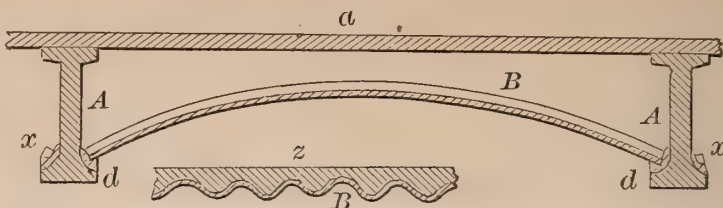




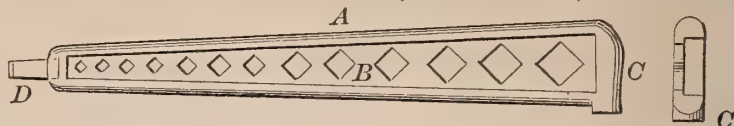
64658—C. R. Gibson—  
*Bench Vise.*



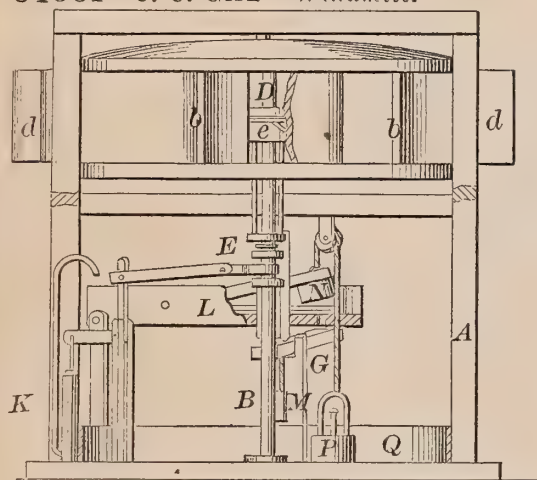
**64659**—J. Gilbert—*Fireproof Ceiling and Roof.*



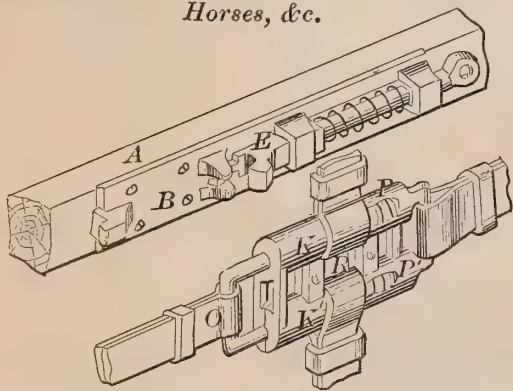
**64662**—W. D. Gold—*Hammer, Screw Driver, and Wrench.*



64661—C. C. Gish—*Windmill*.



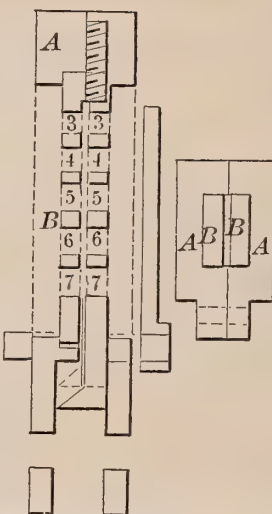
**64666**—J. K. Harris—*For Detaching  
Horses, &c.*



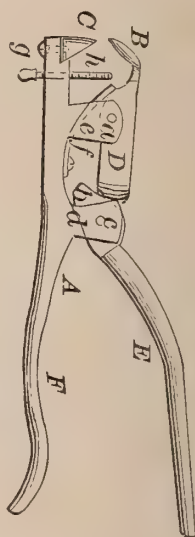
**64667**—J. Hatch—*For  
Destroying Insects.*



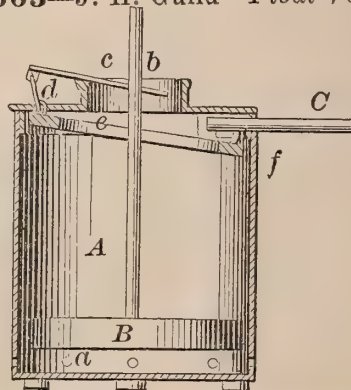
64660—J. E. Gillespie—*Rod Cutter.*



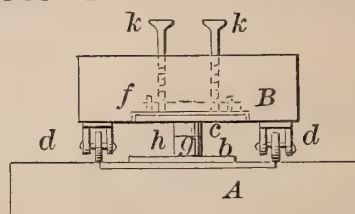
64664—T. G. Hall—*Nippers*.



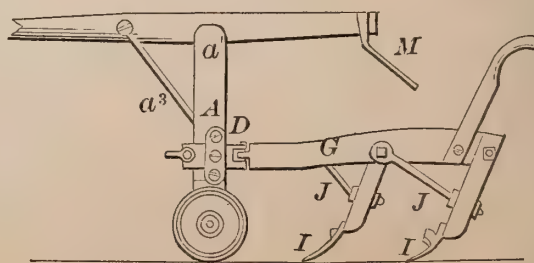
**64663**—J. H. Guild—*Float Valve.*



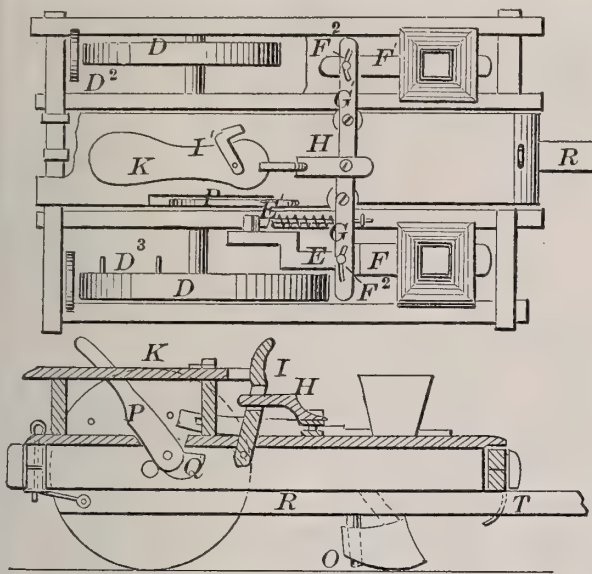
**64665**—F. Hanson—*Turn Table.*



64668—A. T. Heflin—*Cultivator*.



64670—Hill & Lohnes—Seed Planter.



64671—W. H. H. Hinds—Regulator and Extinguisher for Lamps.

Fig. 1

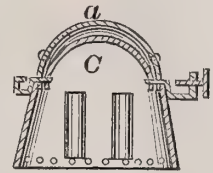
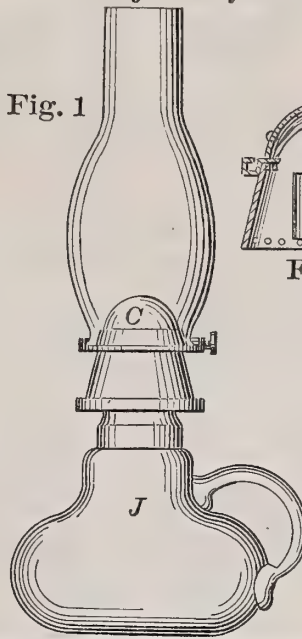
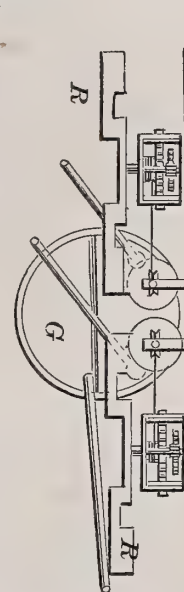
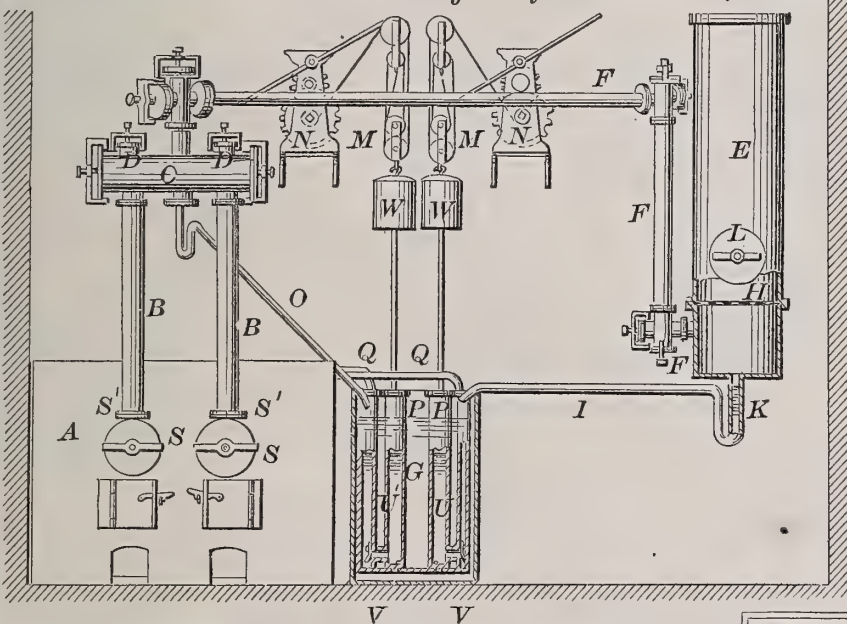
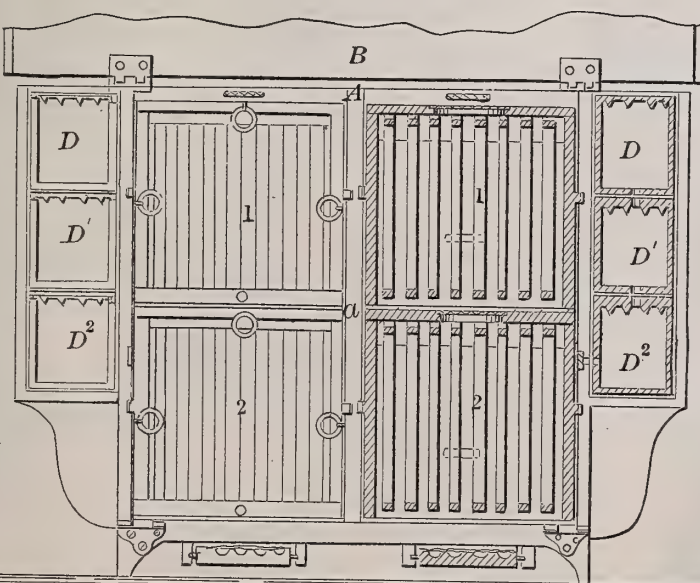


Fig. 2

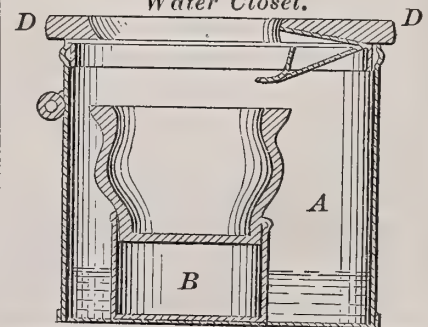
64672—H. Hirzel—For Producing Gas from Petroleum.



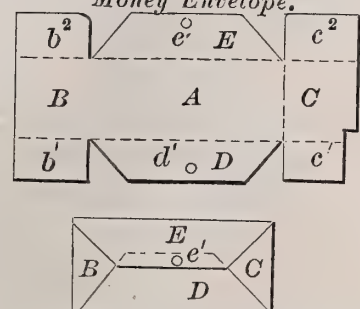
64675—L. Kramer—Beehive.



64673—J. G. Holmes—Portable Water Closet.

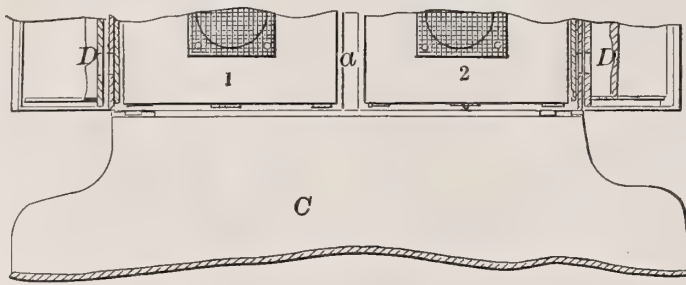


64674—E. Hulbert—Express Money Envelope.

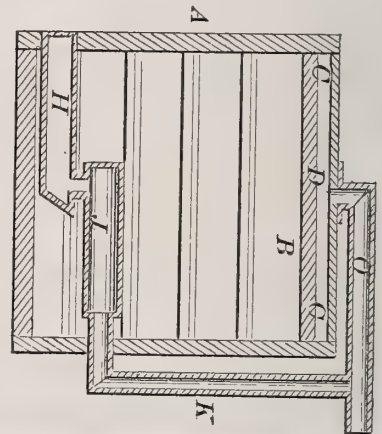
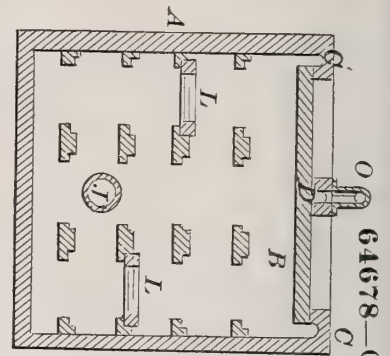
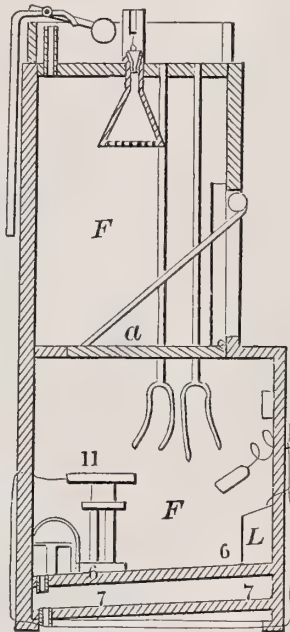
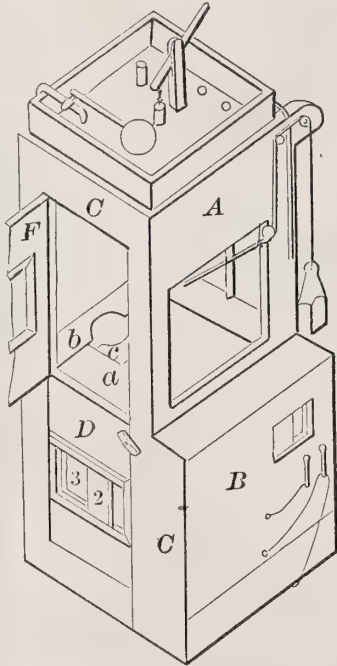




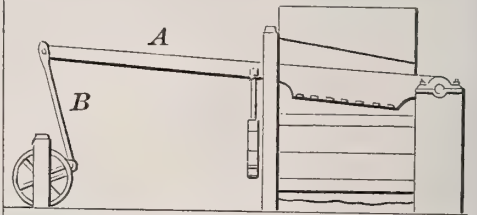
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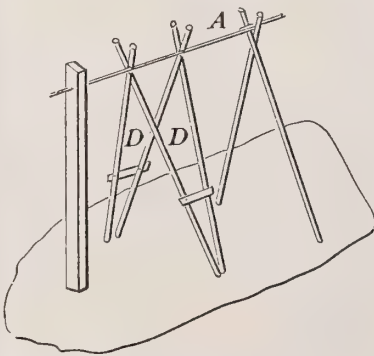
64677—S. M. Landis—Hot and Cold Air Bath.



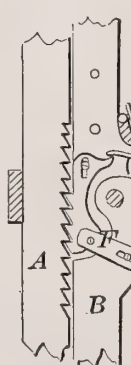
64681—C. Luxton—Peat Machine.



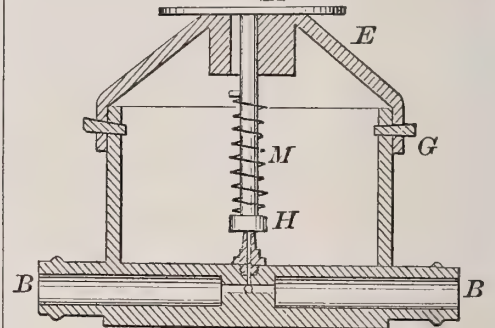
64679—J. C. &amp; D. P. Leonard—Hop Frame.



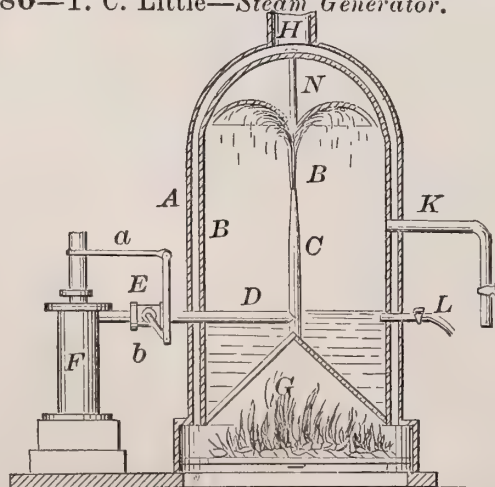
64676—W. H. Landbeck—Wrench.



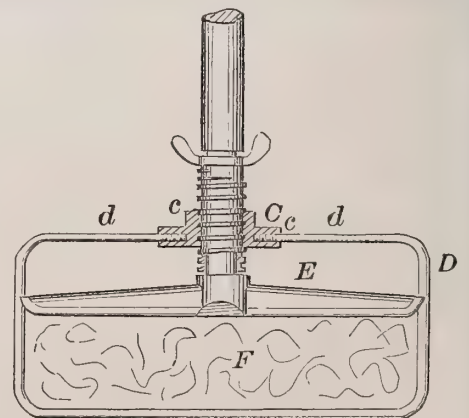
64682—Marable &amp; Utley—Alarm Gun.

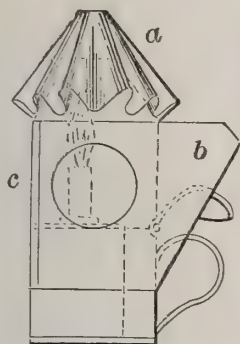


64680—T. C. Little—Steam Generator.



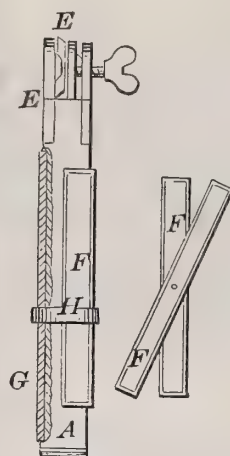
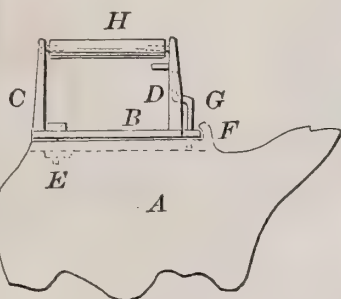
64683—Mason &amp; Messinger—Mop Head.



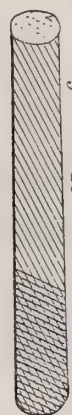


64684—McGill & Tynan—Street Lamp Lighter.

64685—A. N. Merrill—Kettle.

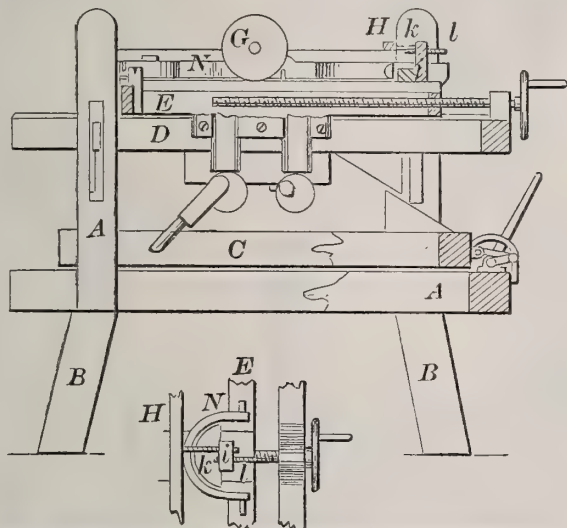


64687—J. Meyer, Jr.—Knife Sharpener.

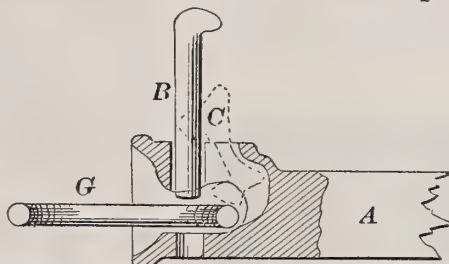


64688—W. H. Miller—Packing for Steam Engines, A

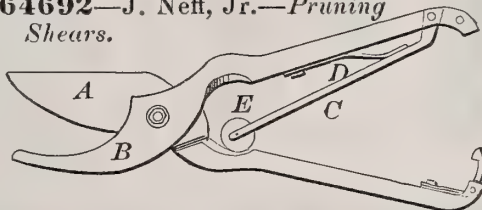
64686—F. Meyer—For Grinding Scale Pivots.



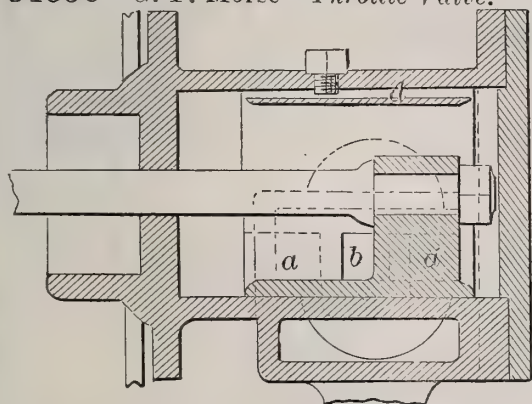
64689—T. S. Minniss—Car Coupling.



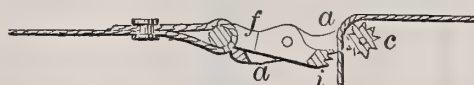
64692—J. Neff, Jr.—Pruning Shears.



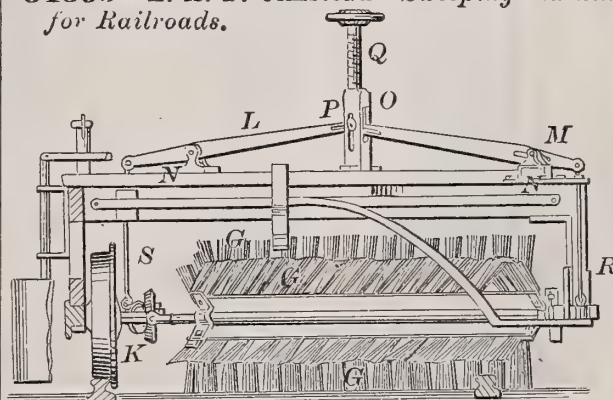
64690—G. F. Morse—Throttle Valve.



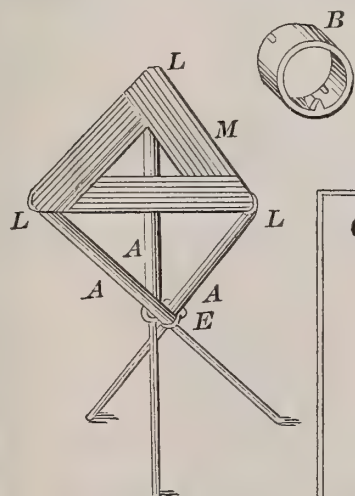
64693—T. L. Ogier—Buckle.



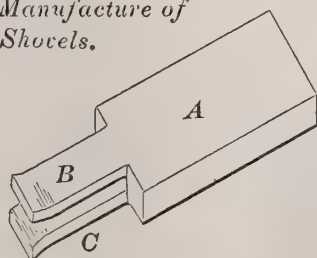
64695—E. A. F. Olmstead—Sweeping Machine for Railroads.



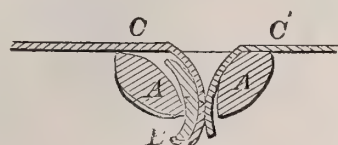
64694—A. M. Olds—Folding Seat.



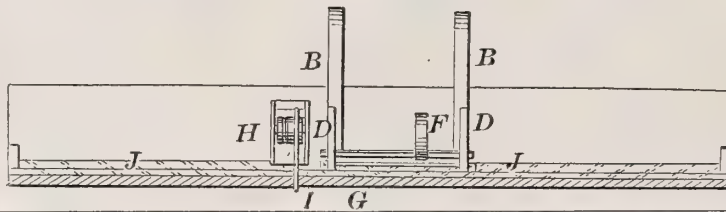
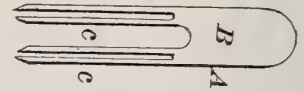
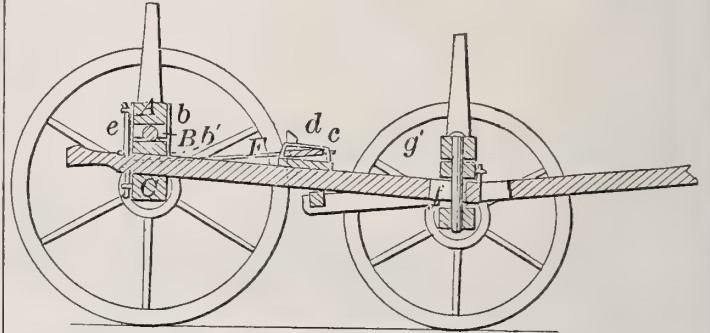
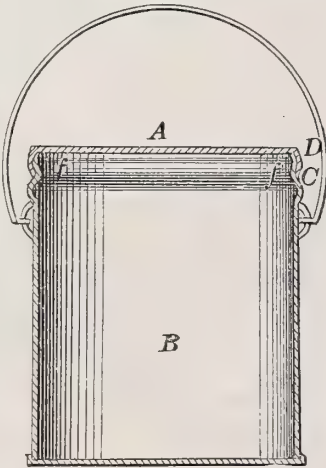
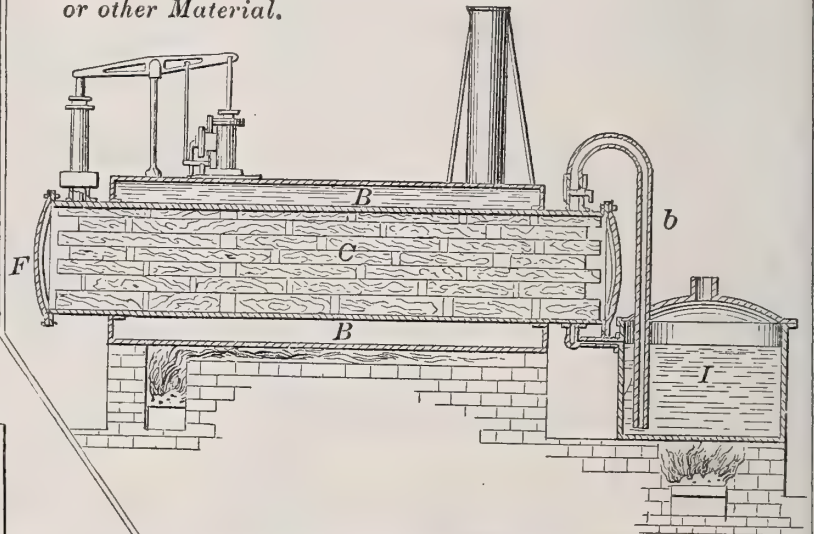
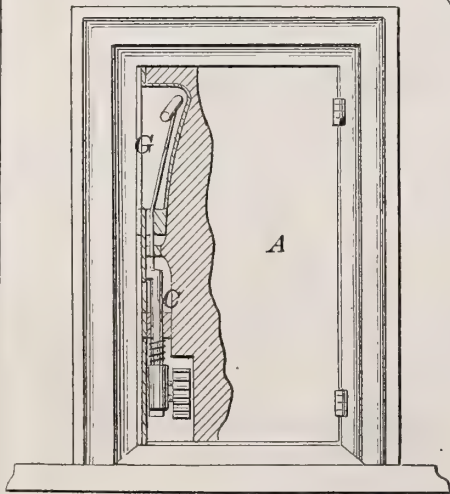
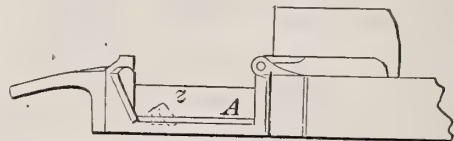
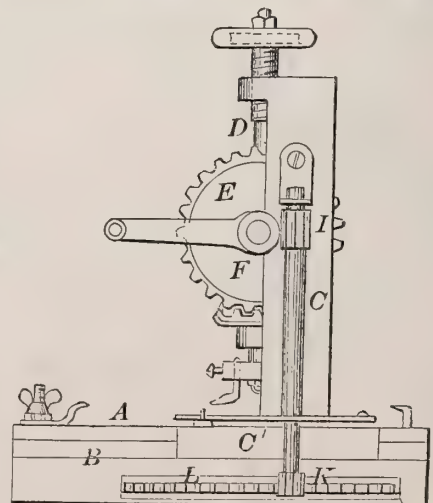
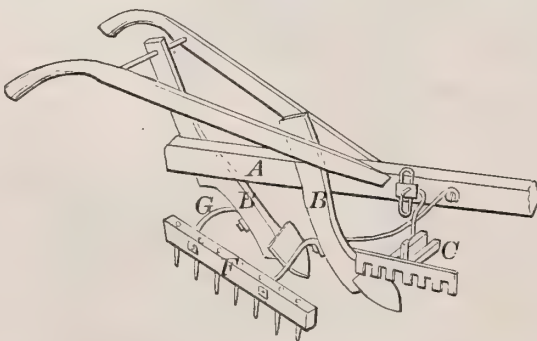
64691—H. M. Myers—Manufacture of Shovels.



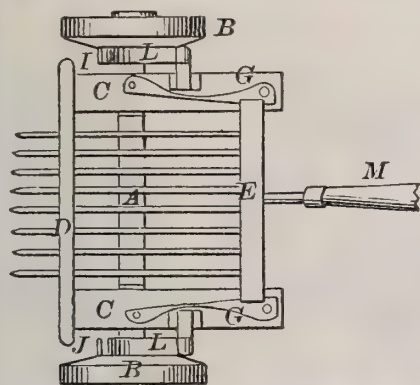
64696—W. Onions—Cotton Bale Tie.



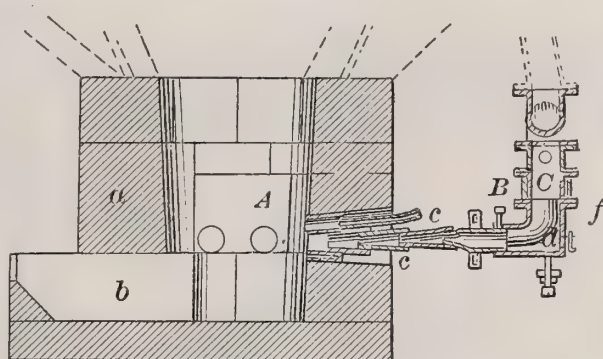


**64697**—H. S. Palmer—*Manure Distributor.***64698**—W. Patterson—*Clothes Pin.***64699**—M. Pechmann—*Bedstead Fastening.***64700**—J. W. Phillippi—*Wagon Brake.***64705**—A. Randol—*Can for Holding White Lead.***64703**—G. Pustkuchen—*For Impregnating Wood with Tar or other Material.***64704**—W. Quayle—*Door Holder.***64701**—Poultney & Crispin—*Breech-Loading Fire Arm.***64707**—J. Reedy—*Plow.***64706**—L. Read—*Planing Machine.*

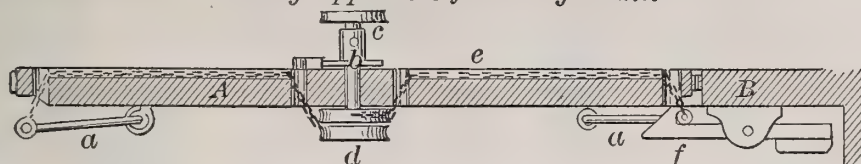
64708—E. Rexford—*Potato Digger.*



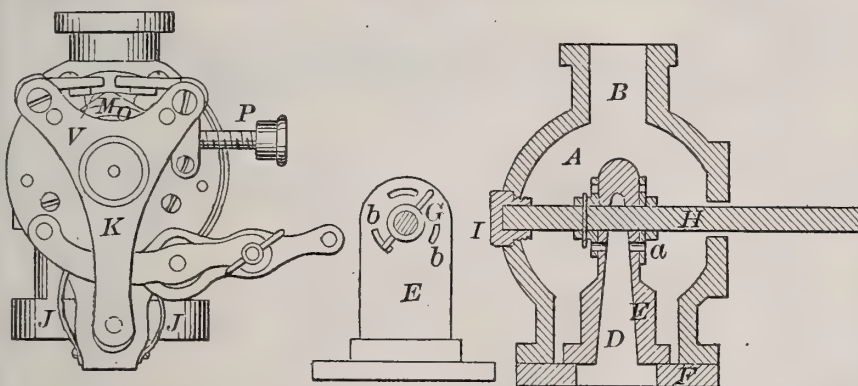
64709—Root & Bartram—*Smelting Furnace.*



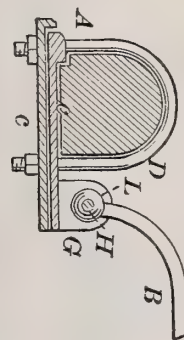
64710—J. Rowland—*Locking Apparatus for Ferry Boats.*



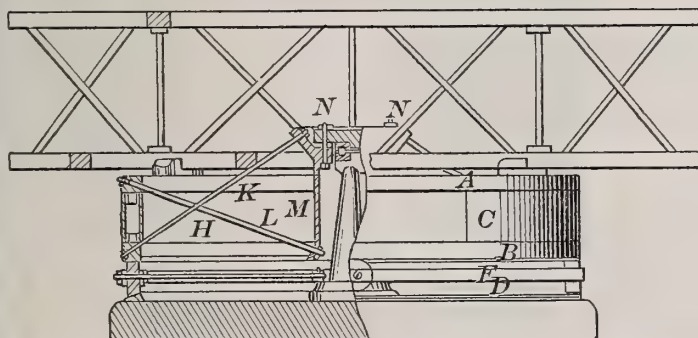
64712—R. Sanderson—*Steam Governor.*



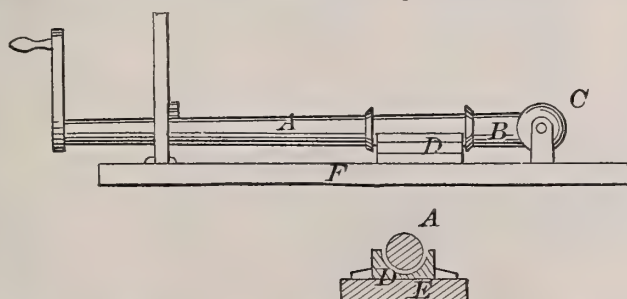
64715—N. H. Shaw—*Attaching  
Thills to Vehicles.*



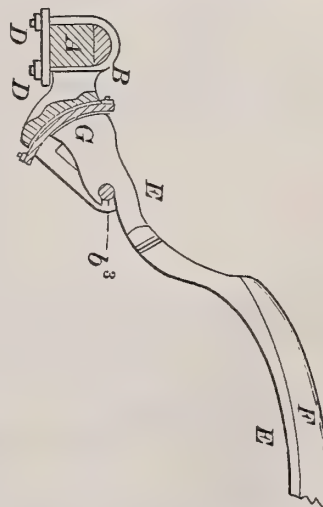
64713—C. Sellers—*Turn Table for Bridges.*



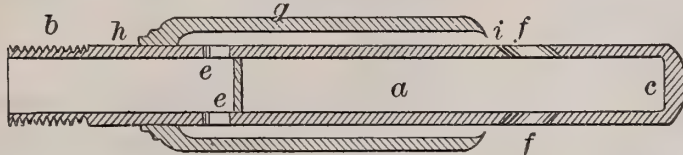
64714—B. A. Shaffer—*Draining Tile.*



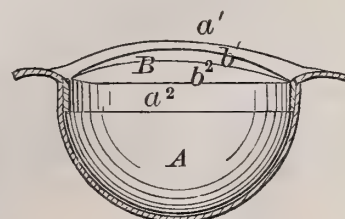
64711—G. B. Salmon—*Carriage Clip.*



64716—T. Shaw—*Steam Whistle.*

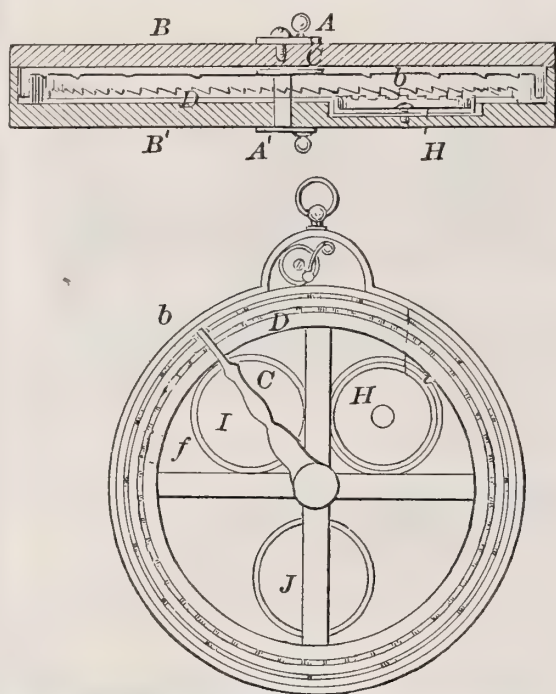


64717—D. Shive—*Sweat  
Leather for Hats.*

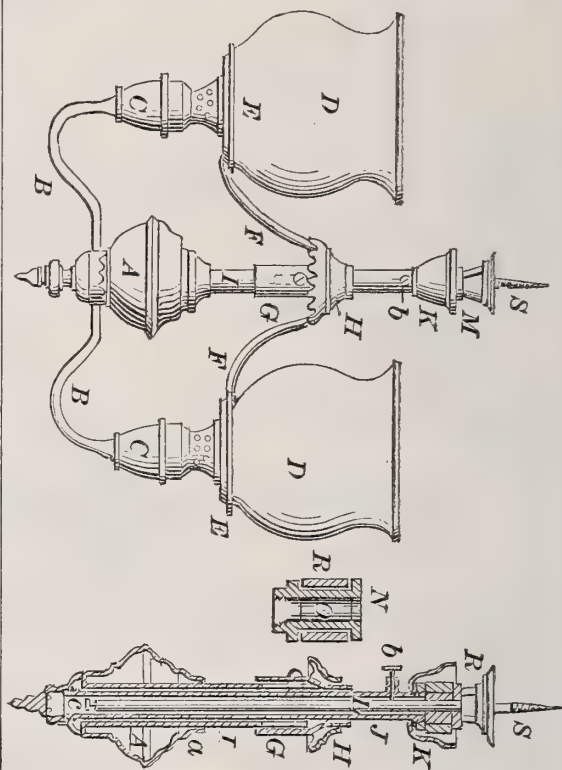




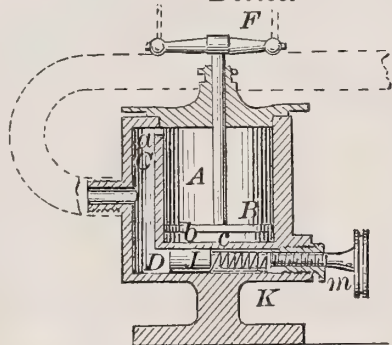
64718—Simpson &amp; Taylor—Billiard Register.



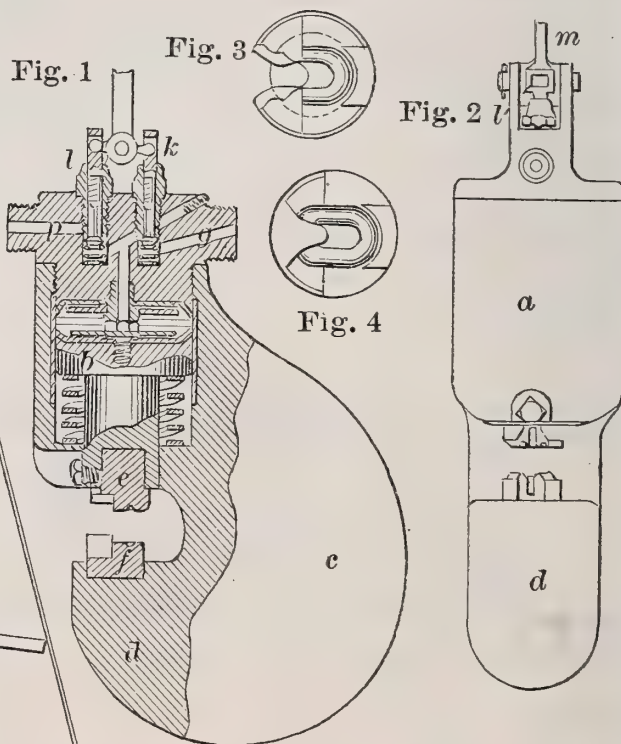
64719—R. J. Skinner—Chandelier.



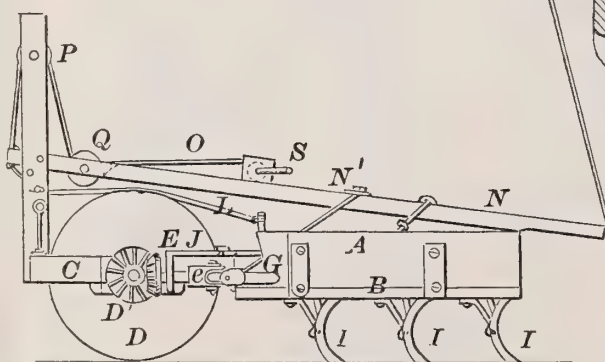
64720—W. H. Stanton—Safety Valve Device.



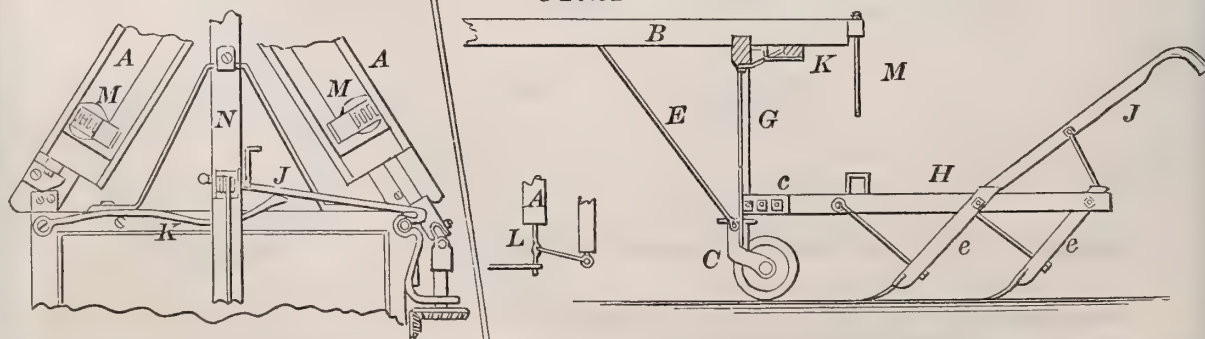
64722—E. Tangye—For Welding Chain Links.



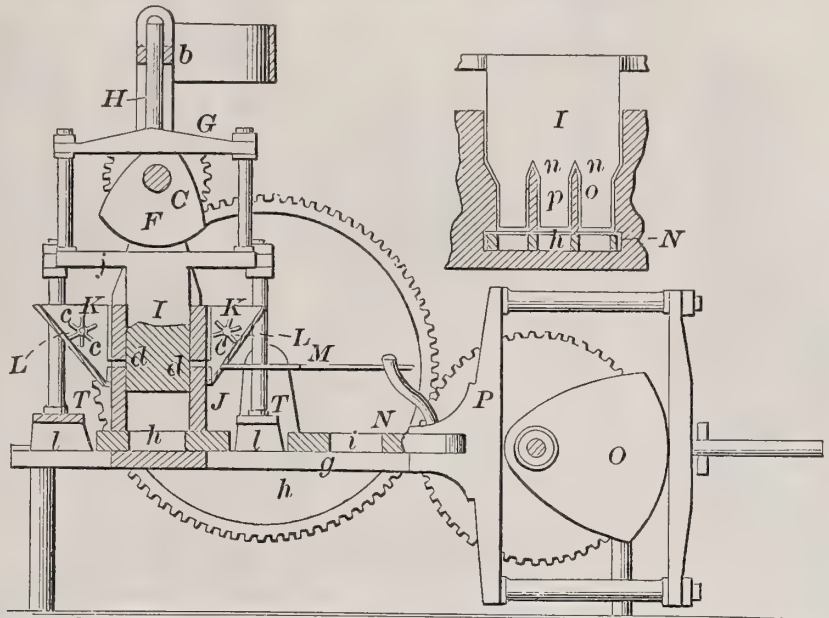
64723—F. W. Tilton—Seeder and Cultivator.



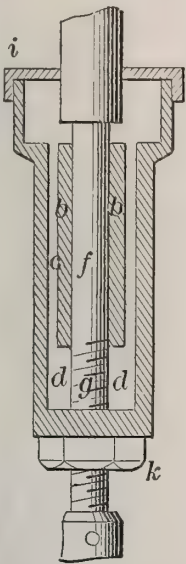
64721—G. W. Stockton—Cultivator.



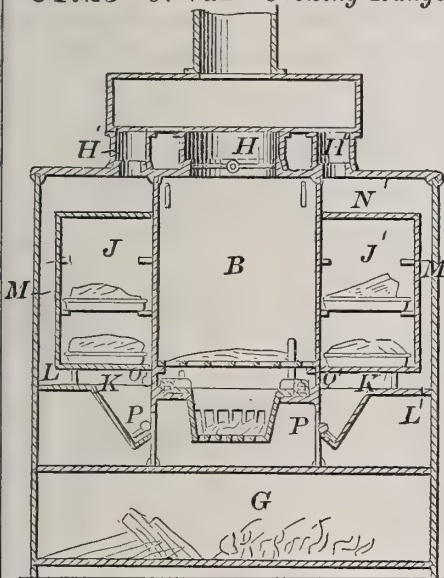
64726—Walsh, Walsh & Evans—*Brick Machine.*



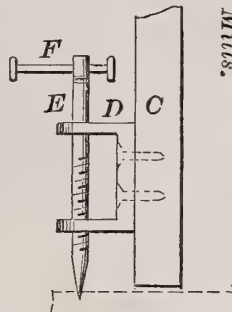
64724—C. R. Tompkins—*Step for Upright Shaft.*



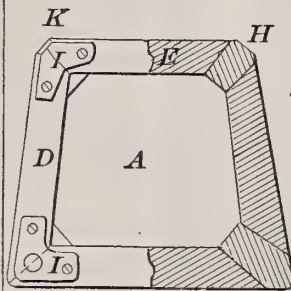
64725—J. Van—*Cooking Range.*



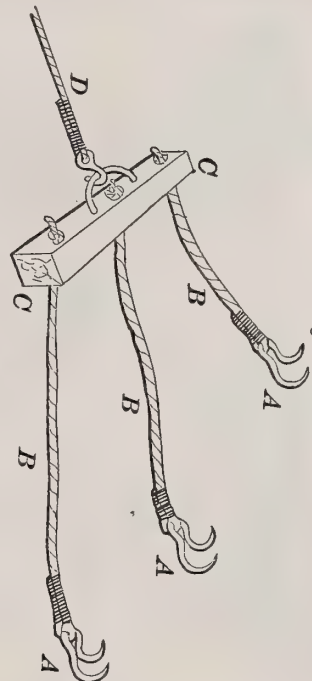
64728—A. Wolf—*Screw for the Legs of Fanning Mills.*



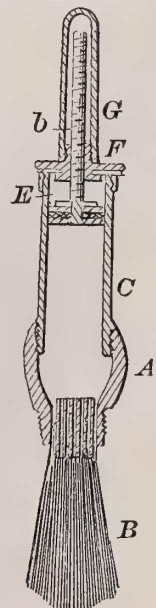
64727—G. A. Watkins—*Seat Frame for Chairs.*



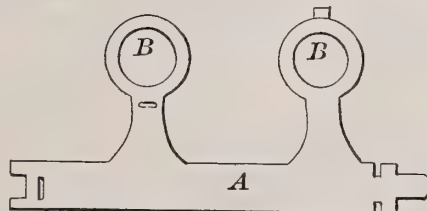
64729—J. Wood—*Hay Unloader.*



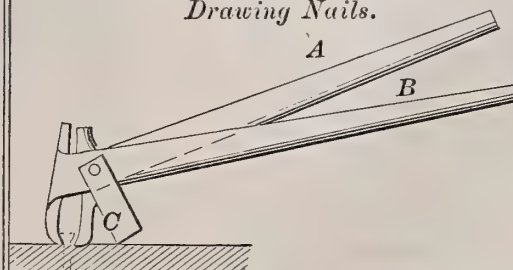
64732—W. T. Wylie—*Slaaving Brush.*



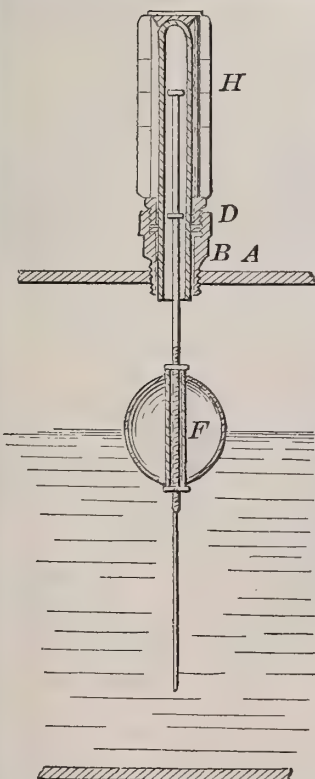
64731—J. N. Woodward—*Paint Brush.*



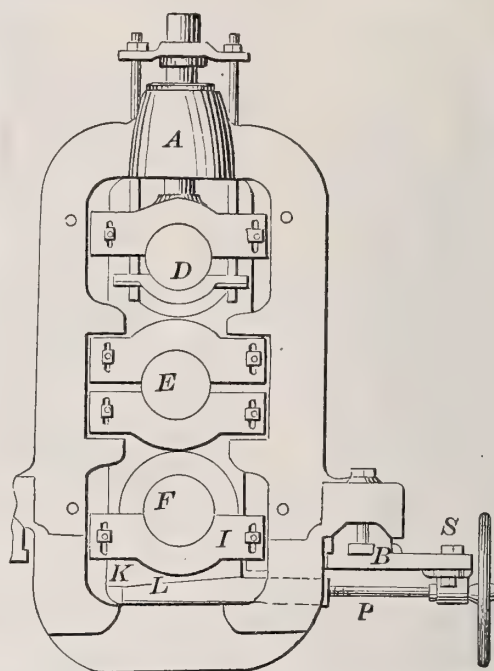
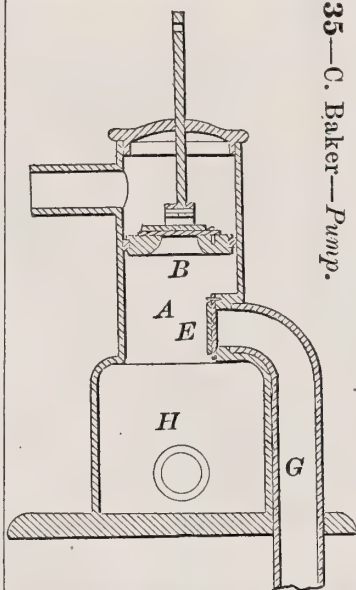
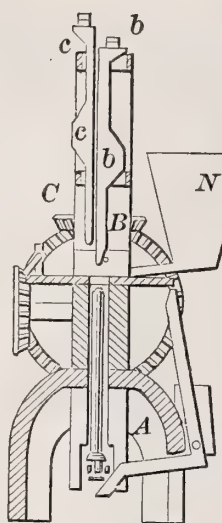
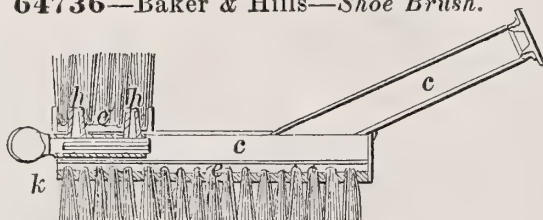
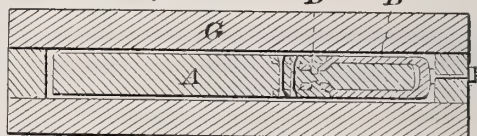
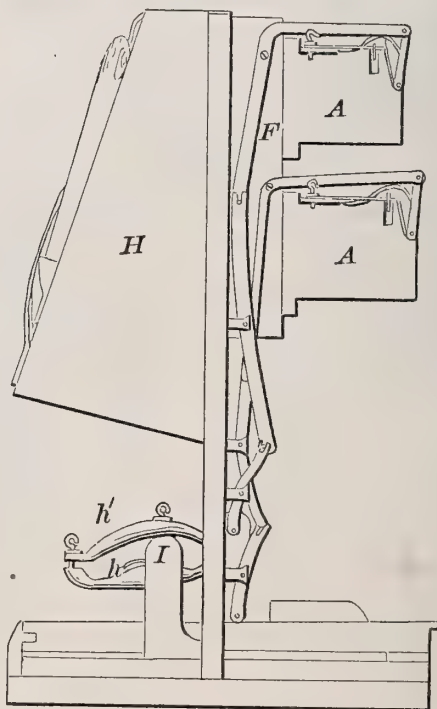
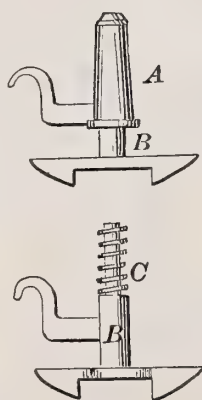
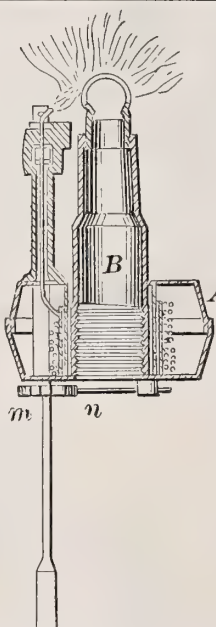
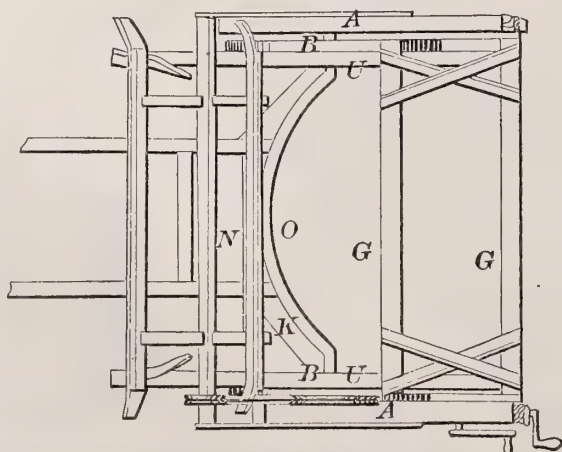
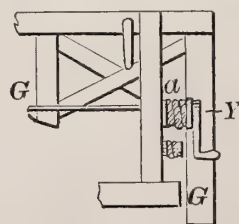
64733—Allen & Gilmor—*Claw for Drawing Nails.*



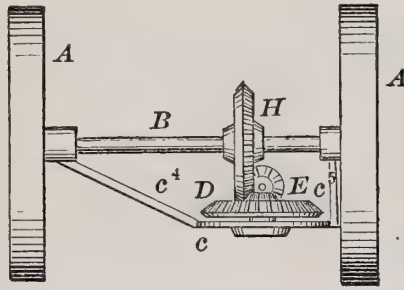
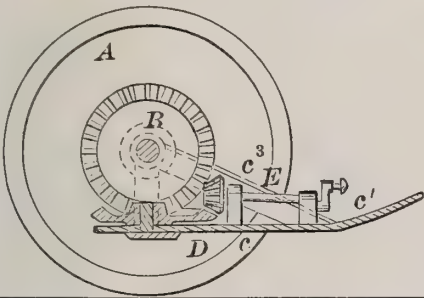
64730—I. F. Woodward—*Boiler Indicator.*



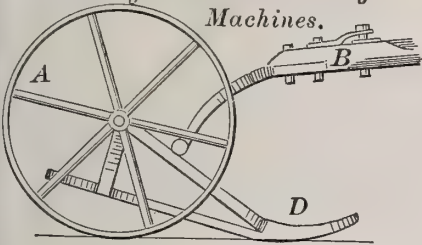


64737—R. M. Bassett—*Rolling Mill.*64735—C. Baker—*Pump.*64734—Ames & Gowen—*Eyeletting Machine.*64736—Baker & Hills—*Shoe Brush.*64739—W. W. Bates—*Hanging Centre Boards of Vessels.* D B64741—J. Berger—*Melodeon.*64740—C. P. Bell—*Window Blind Fastener.*64738—W. W. Batchelder—*Lighting Gas.*64743—S. Bryan—*Cornstalk Cutter.*64742—A. W. Browne—*Button.*

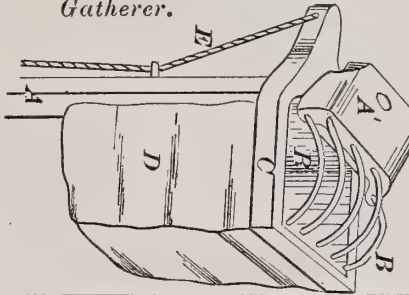
64744—C. W. Cardot—*Harvester.*



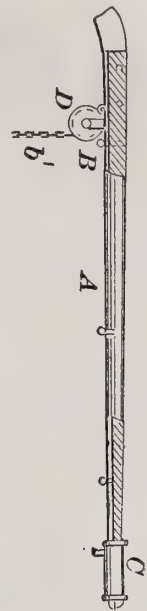
64745—C. W. Cardot—*Attaching Draught Poles to Mowing Machines.*



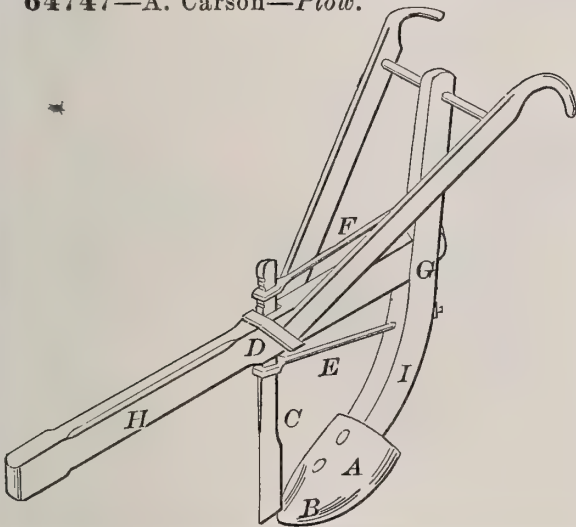
64749—J. C. Counts—*Fruit Gatherer.*



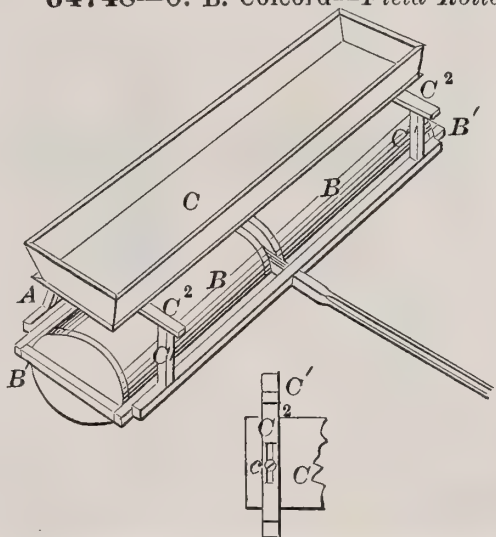
64746—C. W. Cardot—*Draught Pole for Mowing Machines.*



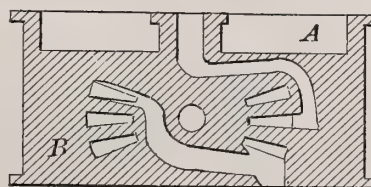
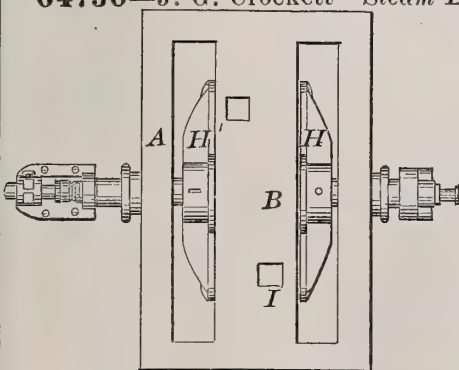
64747—A. Carson—*Plow.*



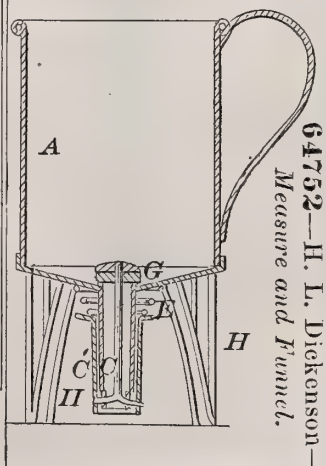
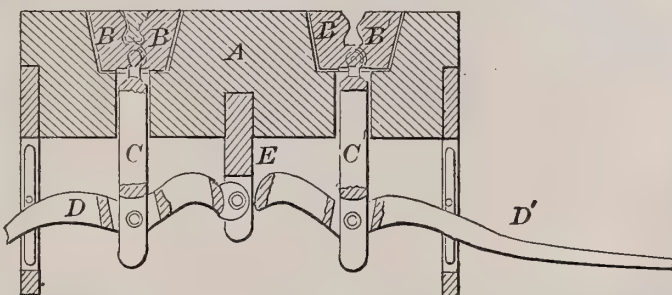
64748—O. B. Colcord—*Field Roller.*



64750—J. G. Crockett—*Steam Engine Balance Valve.*

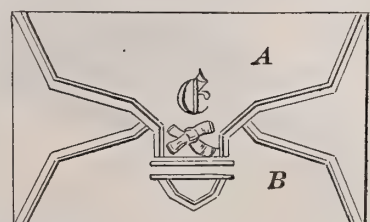


64751—J. B. Deck—*Repairing Railroad Rails.*



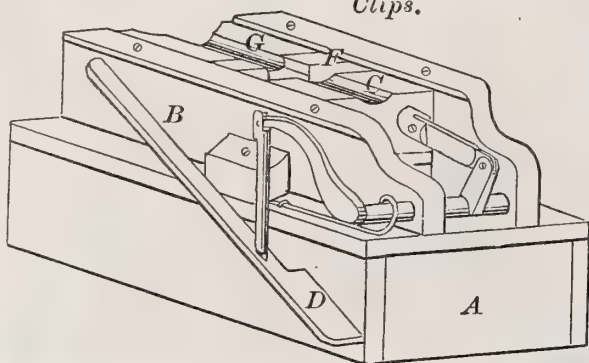
64752—H. L. Dickenson—*Measure and Funnel.*

64753—H. Everdell—*Envelope.*

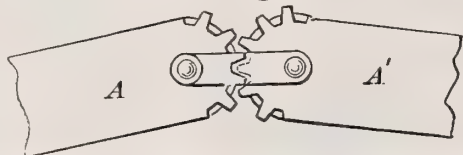




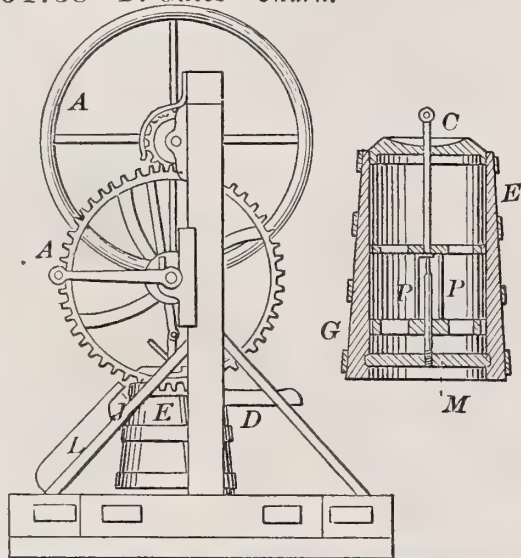
**64754**—G. Feightner—*For Making Wagon Clips.*



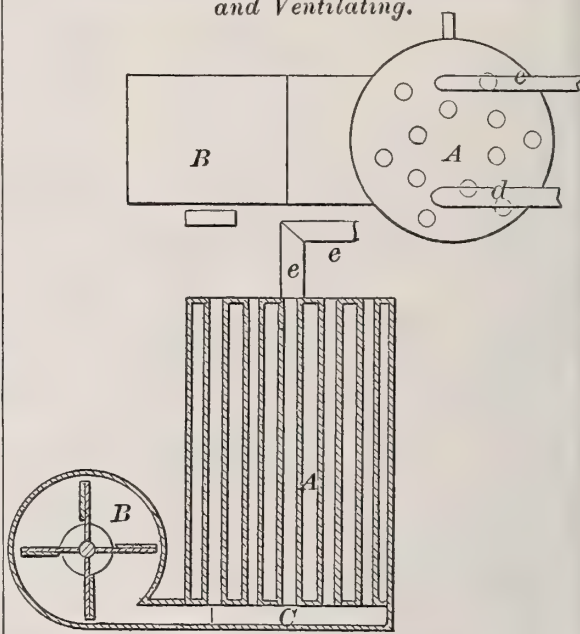
**64757**—G. B. Garlinghouse—*Knuckle Joint.*



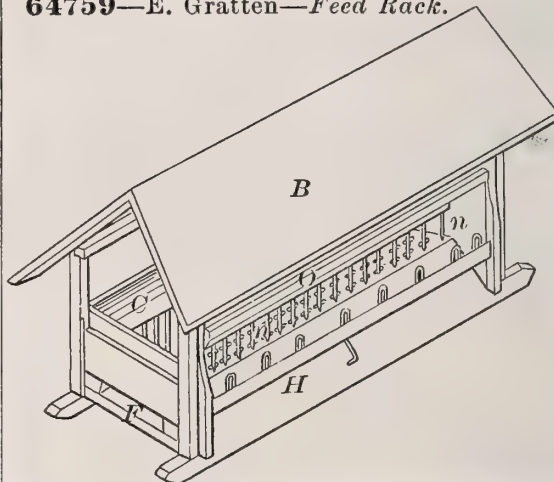
**64758**—D. Gates—*Churn.*



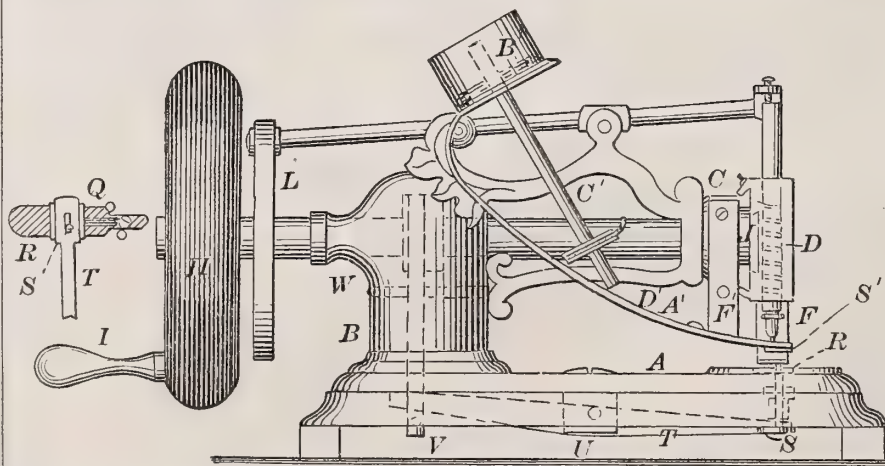
**64756**—F. Fisher—*Steam Heating and Ventilating.*



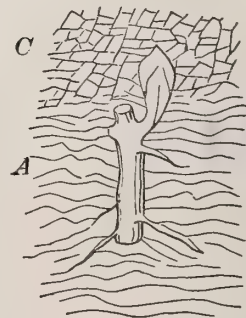
**64759**—E. Gratten—*Feed Rack.*



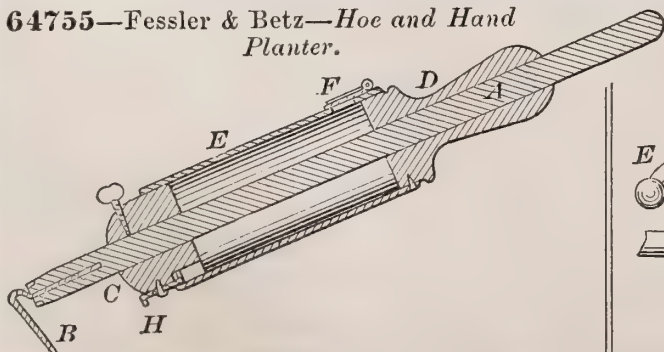
**64761**—L. Hall—*Eyeletting Machine.*



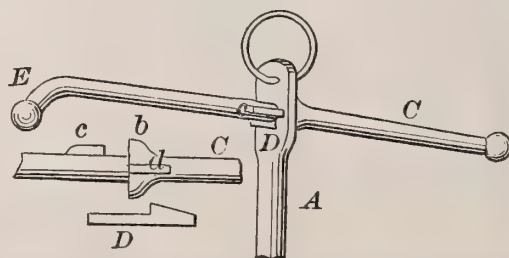
**64760**—W. Griffeth—*Propagating Grape Vines.*



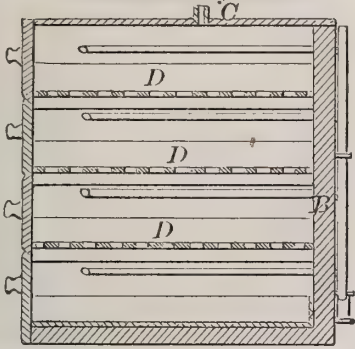
**64755**—Fessler & Betz—*Hoe and Hand Planter.*



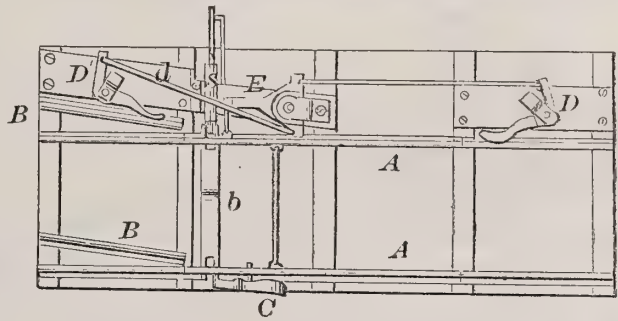
**64762**—J. L. Hanly—*Anchor Stock.*



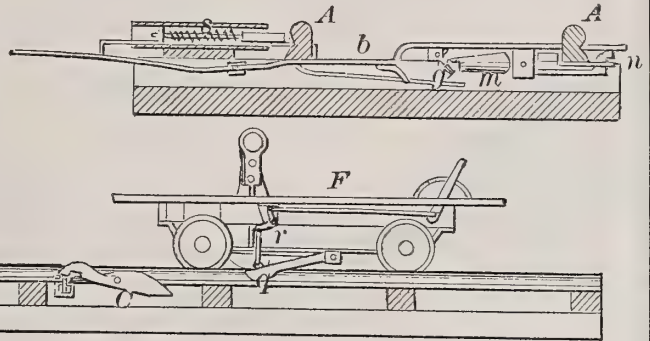
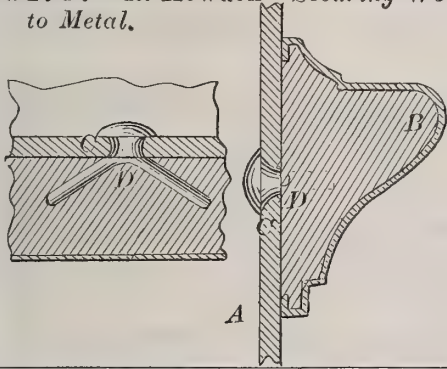
**64763**—H. Hannen—*Manufacture of Carbonate of Lead.*



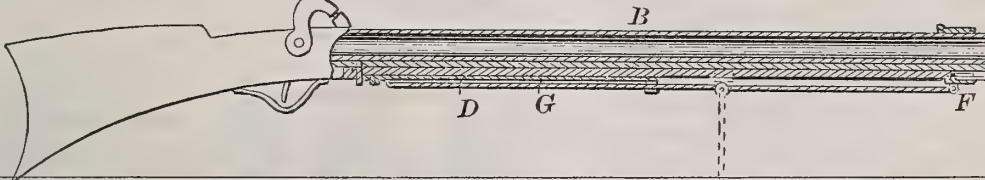
**64764**—A. Hartman—*Railroad Switch.*



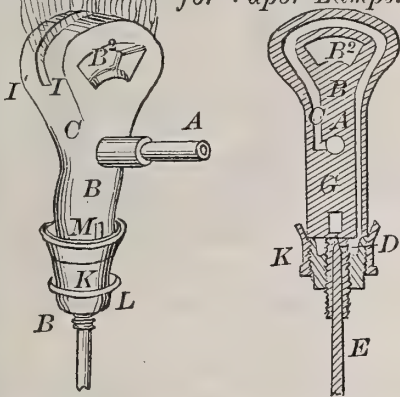
**64767**—R. Howdon—*Securing Wood to Metal.*



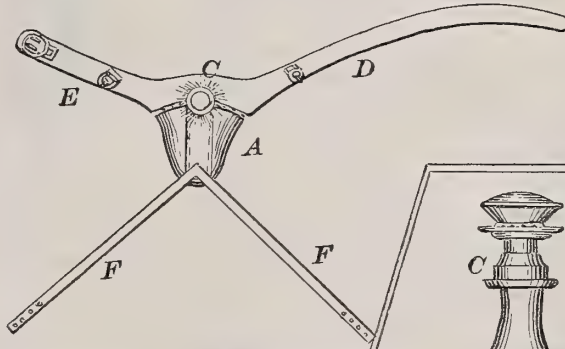
**64765**—J. Hawkins—*Gun Rest.*



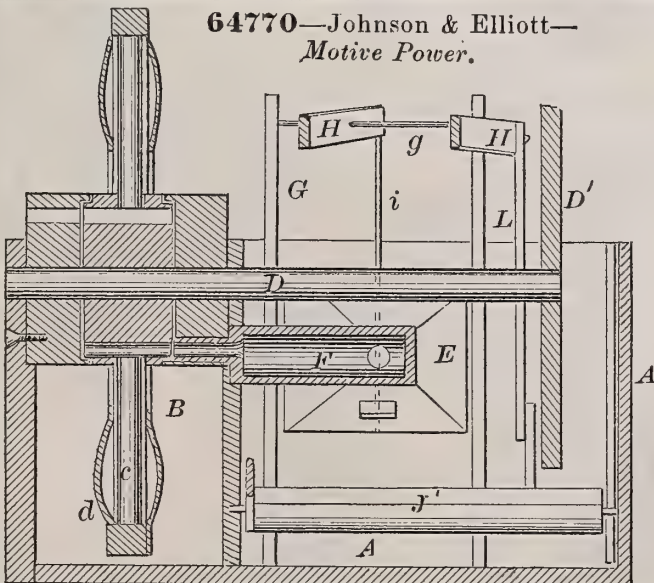
**64769**—J. S. Hull—*Generator for Vapor Lamps.*



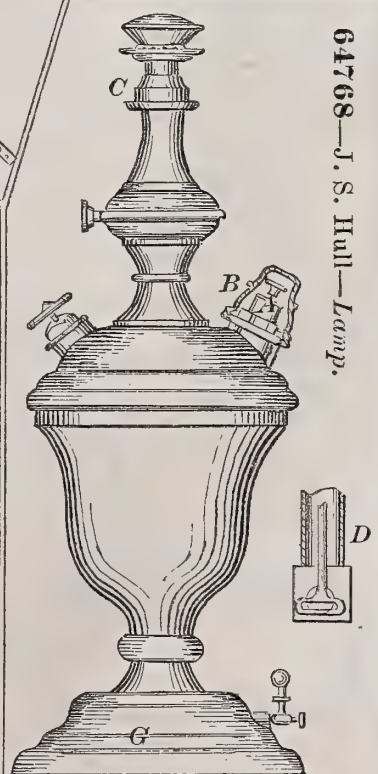
**64766**—E. Heaton—*Suspensory Bandage.*



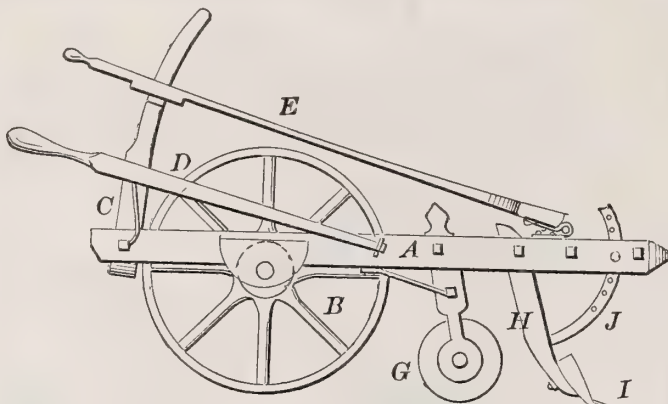
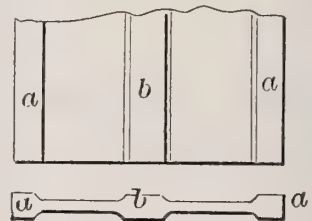
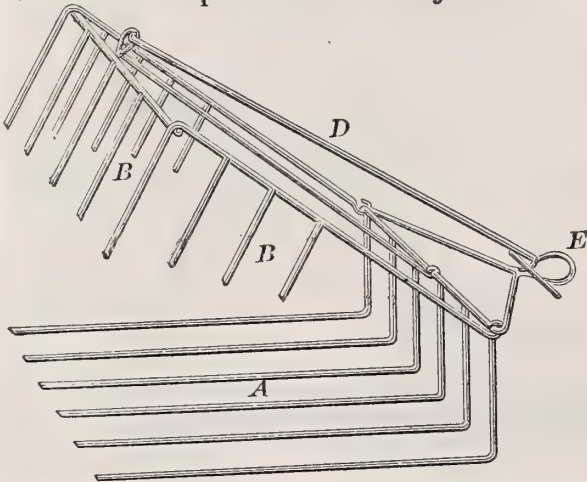
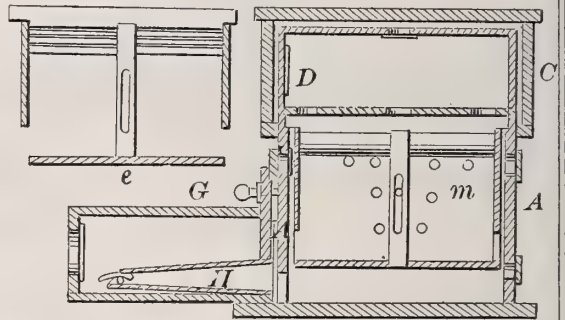
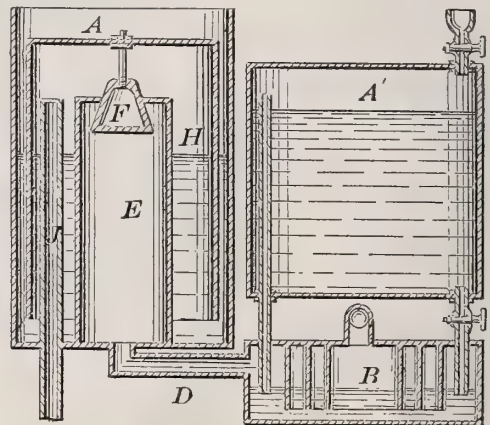
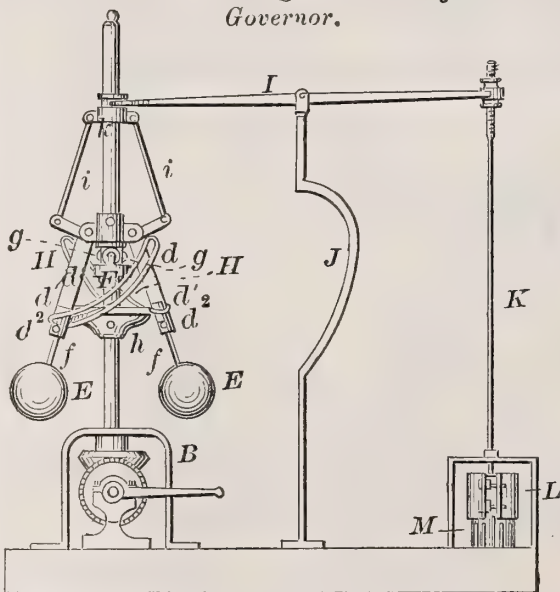
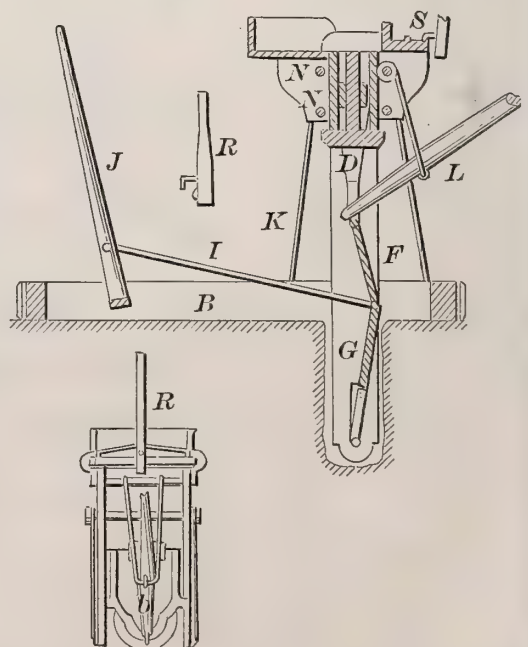
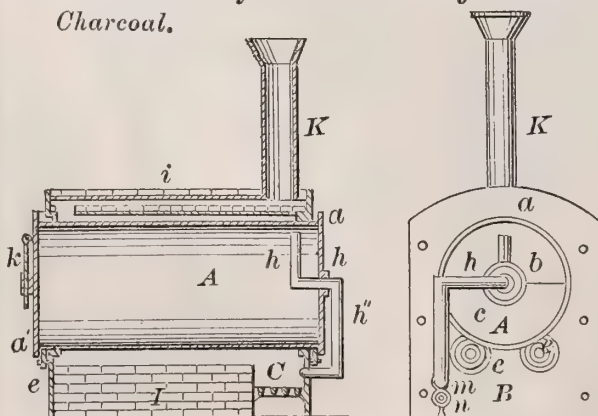
**64770**—Johnson & Elliott—*Motive Power.*



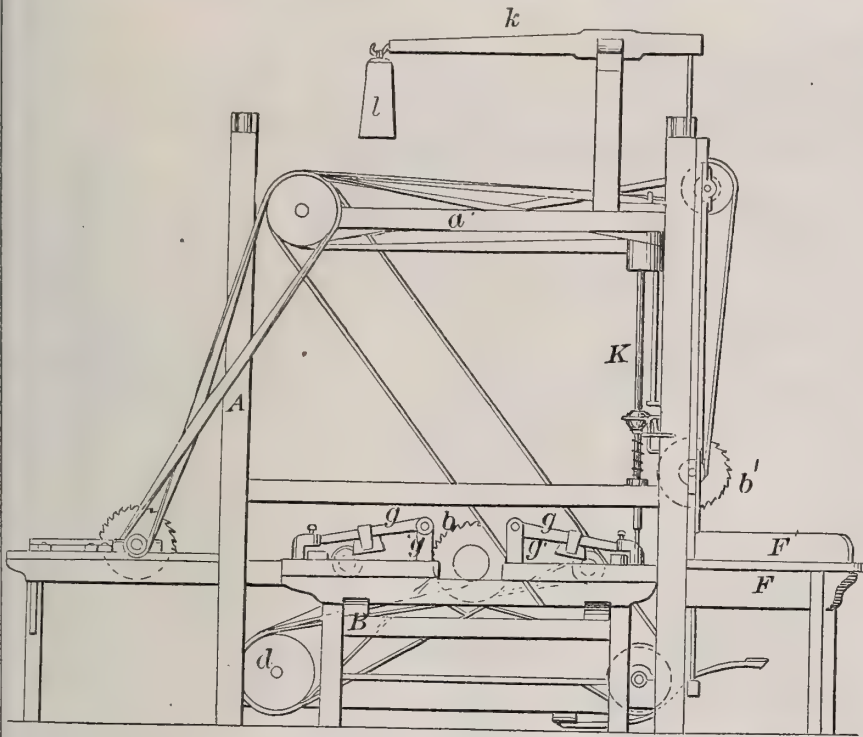
**64768**—J. S. Hull—*Lamp.*



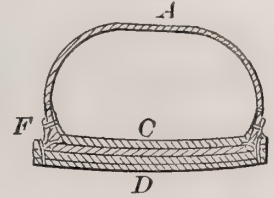


64771—F. Keefer—*Hand Plow.*64774—Kissell & Blickensdufer—*Lightning Conductor.*64772—S. Kepner—*For Cleaning Stables.*64773—K. P. Kidder—*Beehive.*64776—W. H. Laubach—*For Carburetting Gas.*64775—J. P. T. Lang—*Steam Engine Governor.*64778—J. Marshall—*Brick Machine.*64777—J. B. Lyons—*For Making Peat Charcoal.*

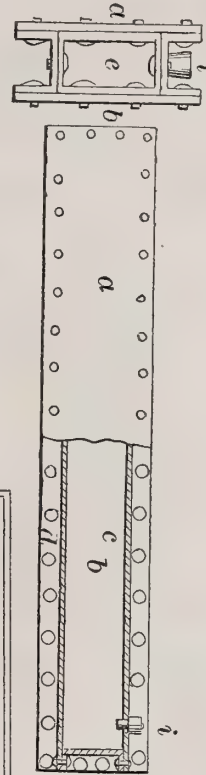
64779—W. W. Maughlin—For Making Door and Window Frames.



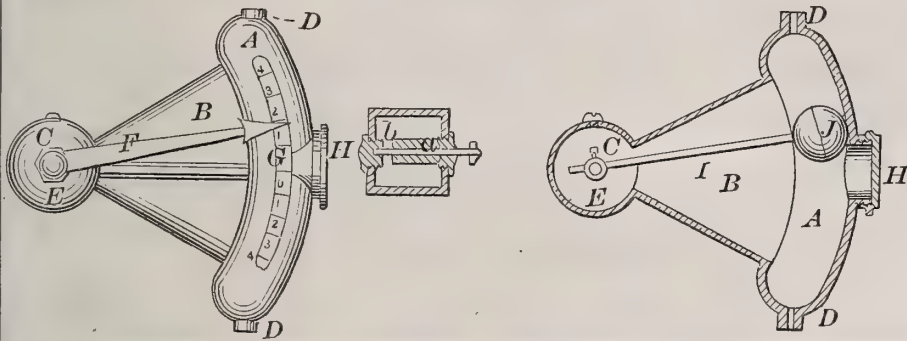
64780—E. Mayer—Boots and Shoes.



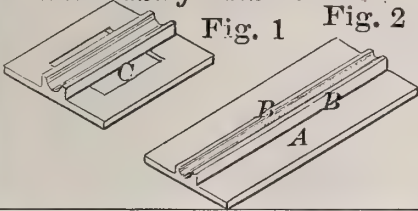
64783—J. Merrill—Metal Beam.



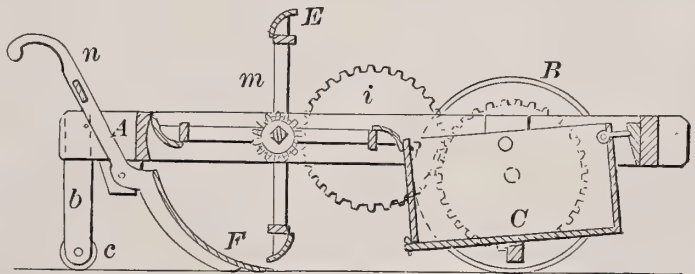
64781—G. McAllister—Low Water Indicator.



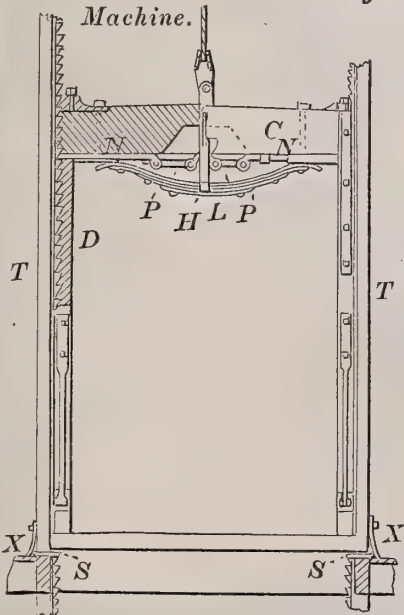
64782—G. B. McDonald—For Making Buckles.  
Fig. 1 Fig. 2



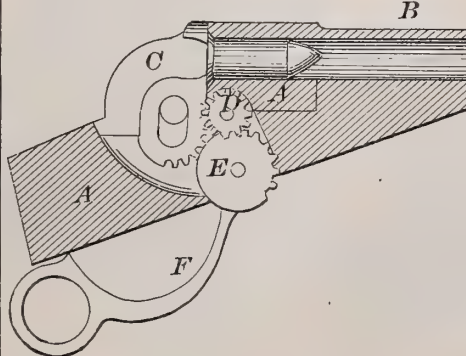
64784—A. Michelbacher—Peat Gathering Machine.



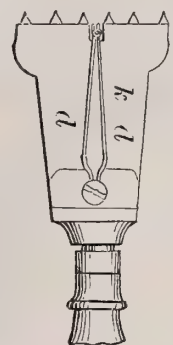
64785—W. Miller—Hoisting Machine.



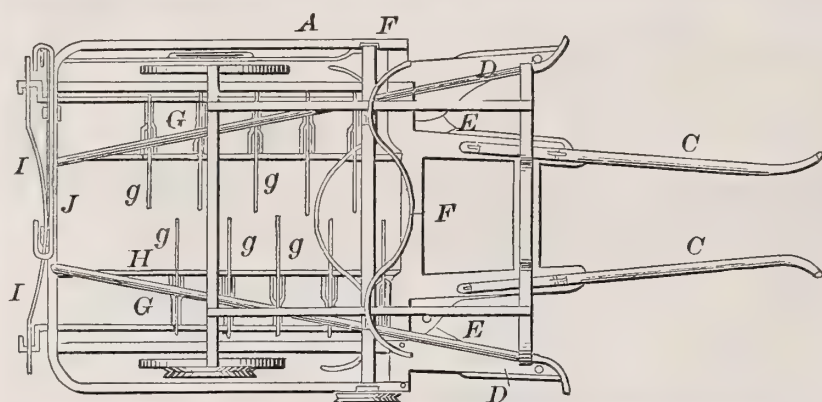
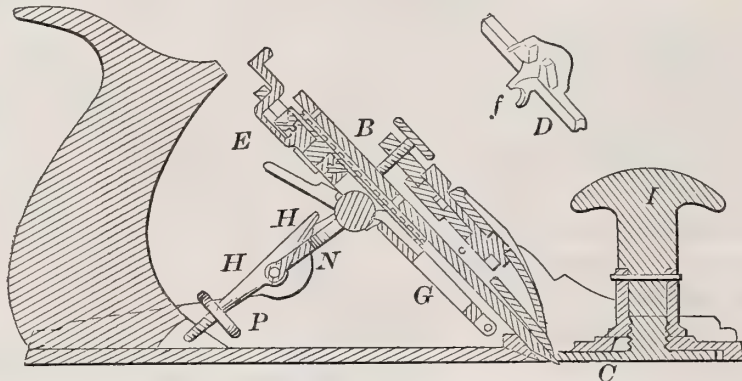
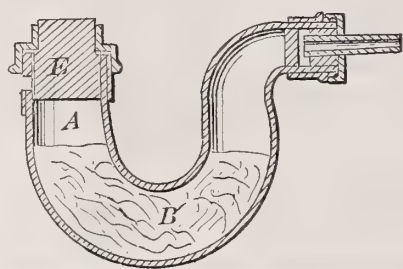
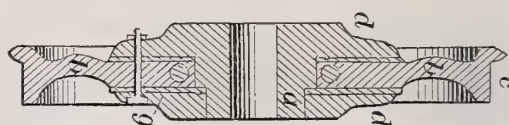
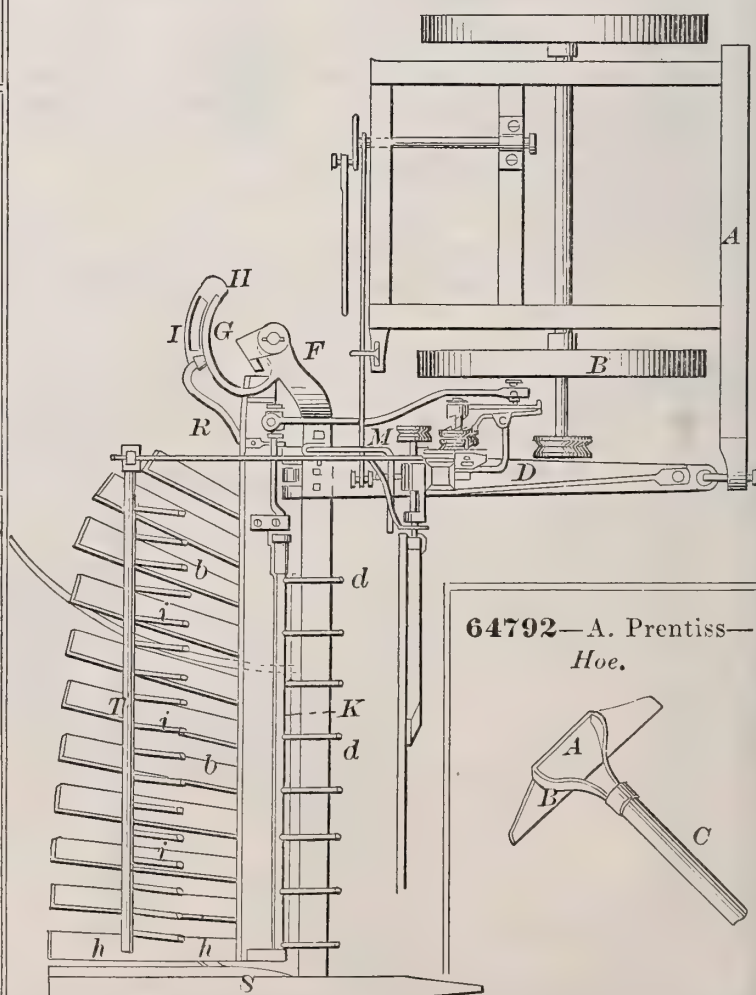
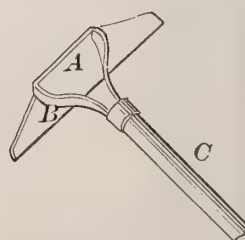
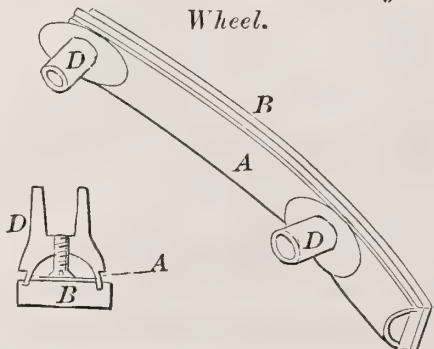
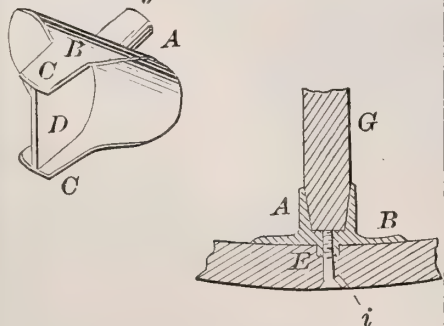
64786—W. H. & G. W. Miller—Breech-Loading Fire Arm.



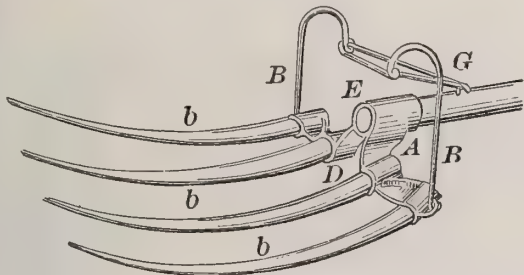
64788—G. Mosman—Carpet Stretcher.



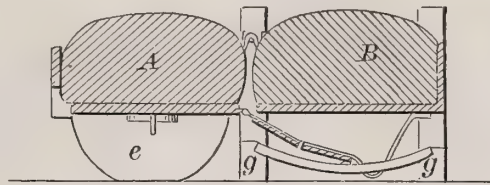


64789—J. Oadhoudt—*Corn Harvester.*64790—N. Palmer—*Bench Plane.*64793—A. Prentiss—*Inhaler.*64796—J. Raddin—*Car Wheel.*64797—A. B. Reese—*Harvester.*64792—A. Prentiss—*Hoe.*64794—A. Prentiss—*Carriage Wheel.*64795—A. Prentiss—*Carriage Wheel.*

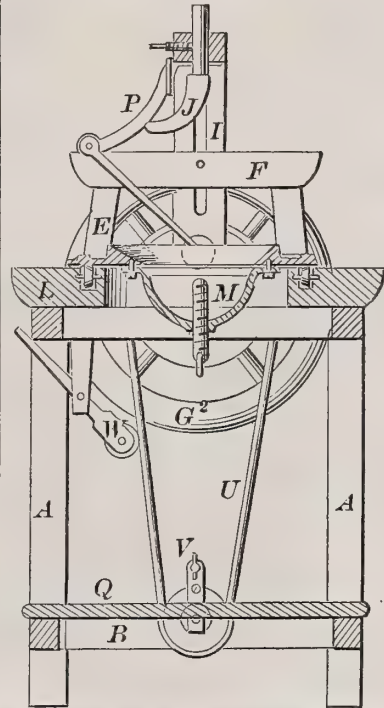
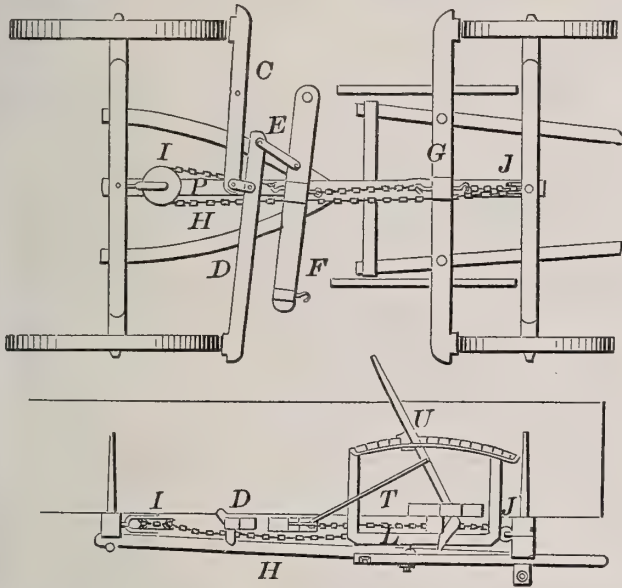
64798—M. C. Remington—*Barley Fork.*



64799—S. R. Roscoe—*Sofa Bedstead.*

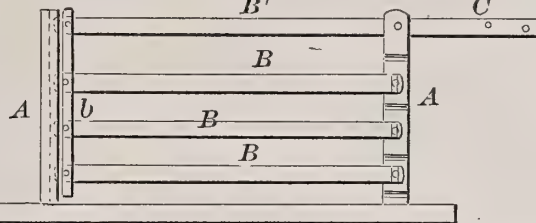


64801—J. F. W. Schultz—*Wagon Brake.*

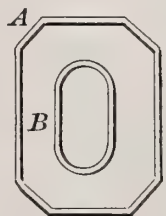


64803—W. E. Skinner—*Butter Worker.*

64802—G. W. Sizer—*Gate.*

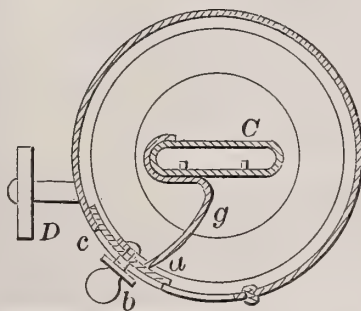


Glass Letters, Numbers, &c.

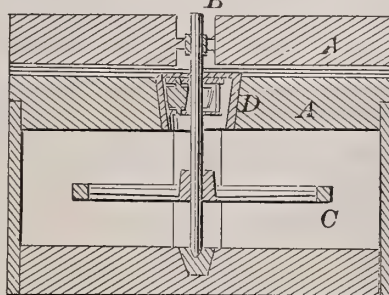


64807—O. Sietz—*Making*

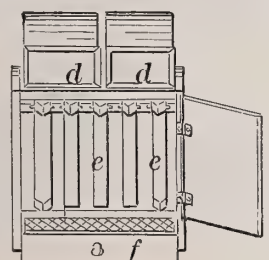
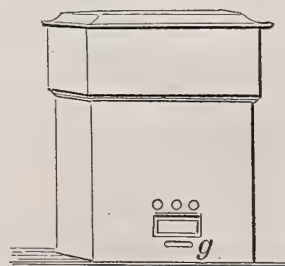
64804—G. Smith—*Lamp Burner.*



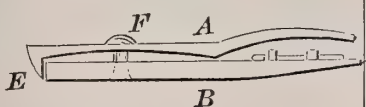
64809—J. H. Teahl—*Bush for Spindles for Mills.*



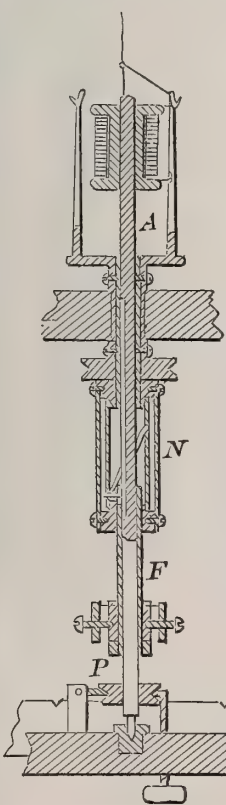
64806—S. Stevens—*Beehive.*



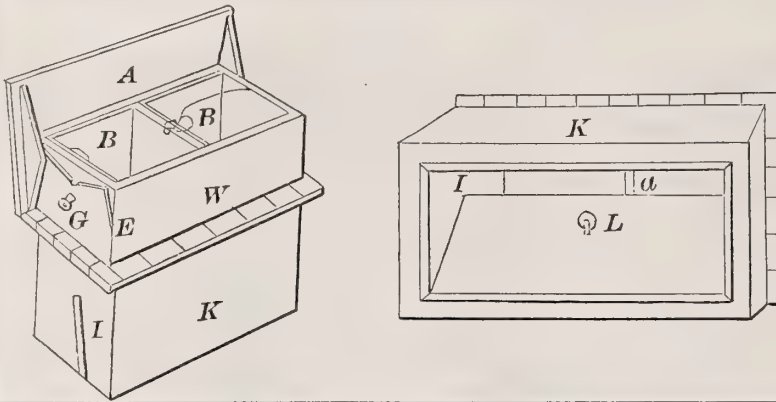
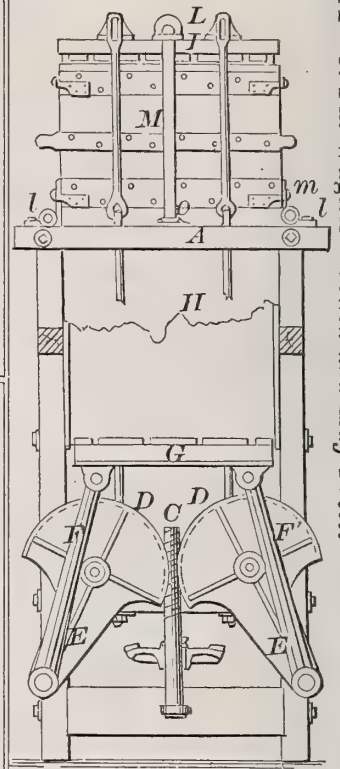
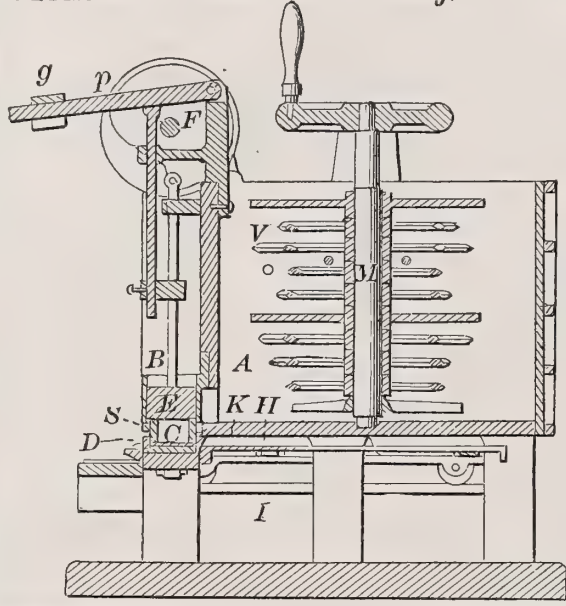
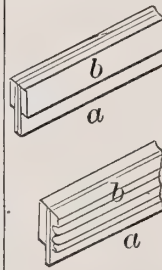
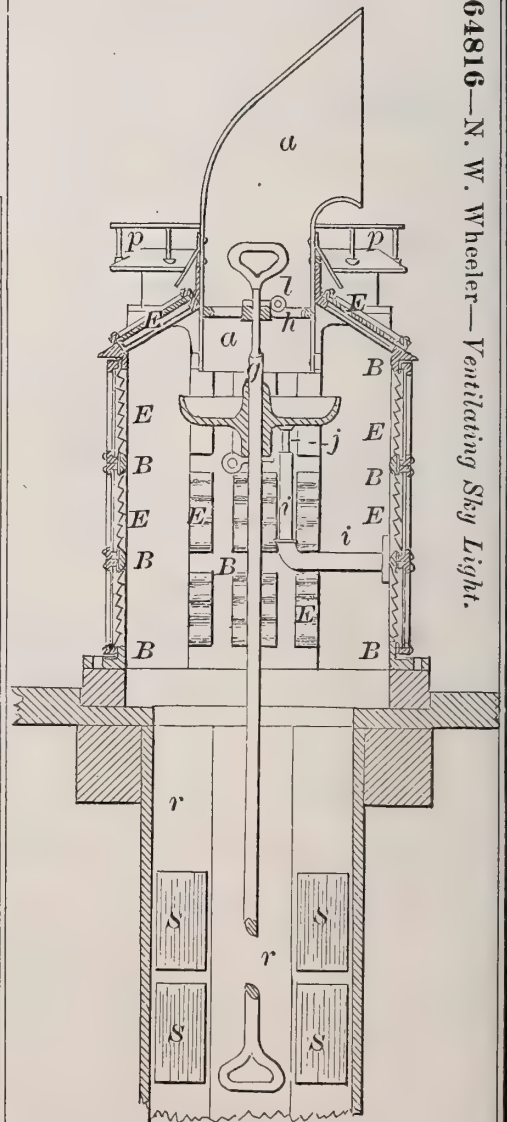
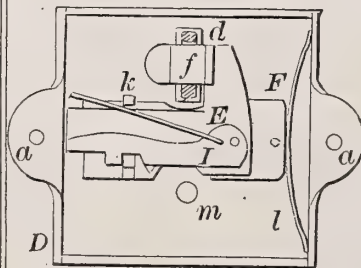
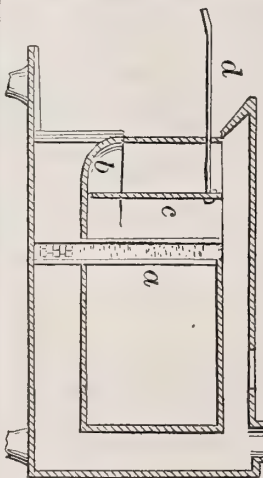
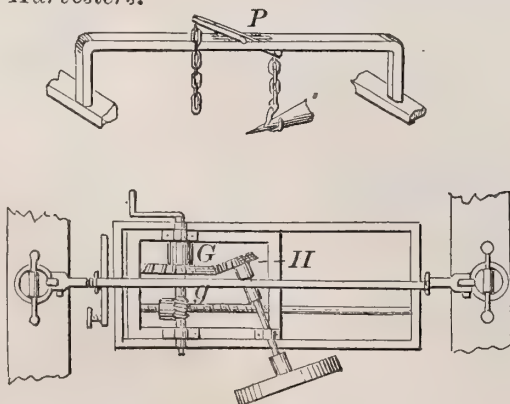
64808—H. N. Taft—*Door Fastener.*



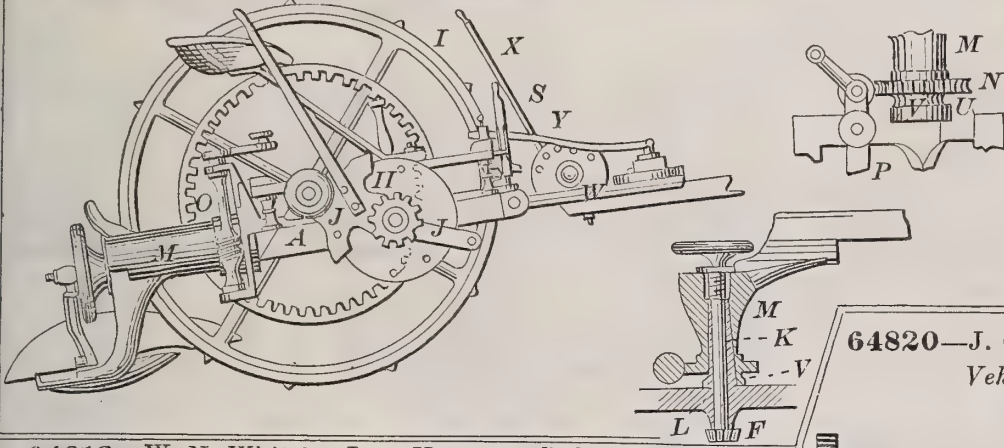
64800—J. M. Ryo-Catteau—*Spindle for Spinning Machines.*



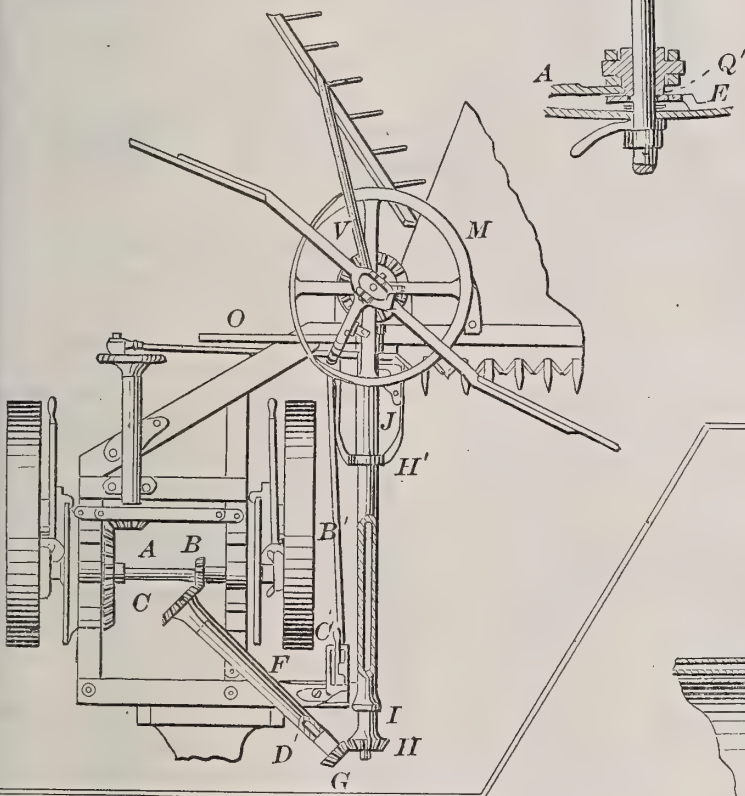


64810—D. D. Templeton—*Garbage Box.*64814—C. Ph. Warner—*Cotton and Hay Press.*64812—T. Tufts—*Brick Moulding.*64811—E. S. Torrey—*Weather Strip.*64816—N. W. Wheeler—*Ventilating Sky Light.*64813—L. Uitting—*Trunk Lock.*64815—M. J. Wellman—*Protecting Water Backs in Ranges.*64817—H. Whitall—*For Grinding the Cutters of Harvesters.*

64818—W. N. Whitely, Jr.—Harvester.



64819—W. N. Whitely, Jr.—Harvester Rake.



64820—J. G. Wilkison—Vehicle.

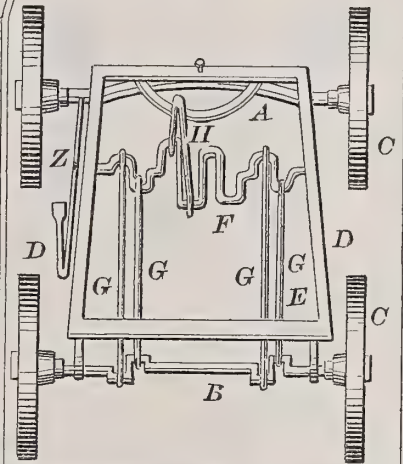
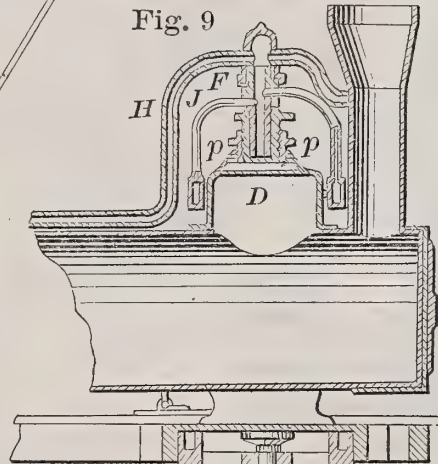


Fig. 9



64821—J. P. Woodbury—Locomotive Truck and Engine.

Fig. 5

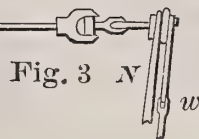
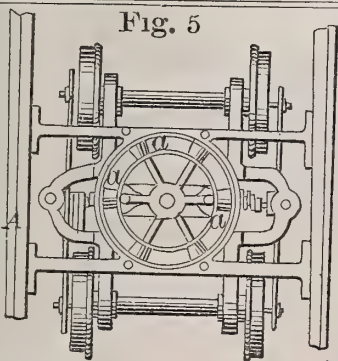


Fig. 3

Fig. 8

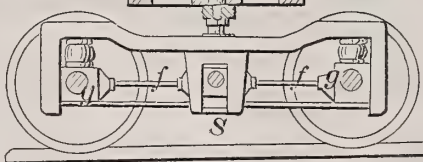
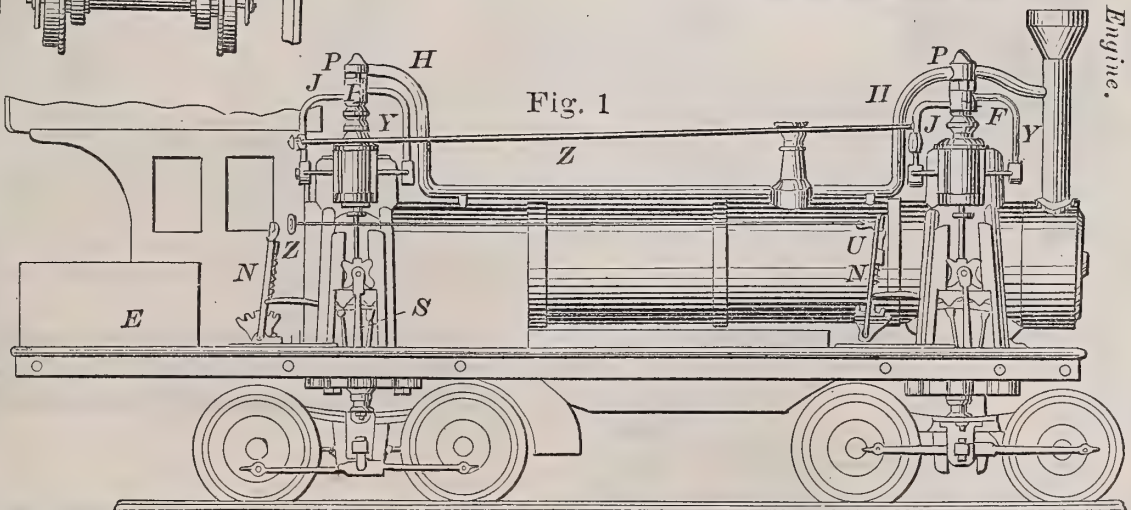
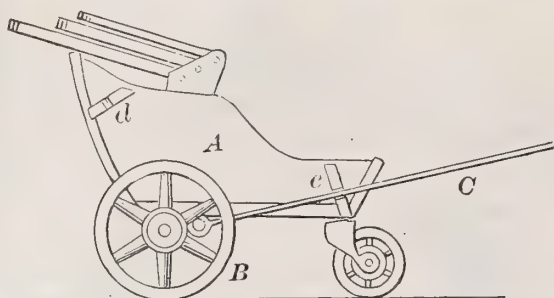
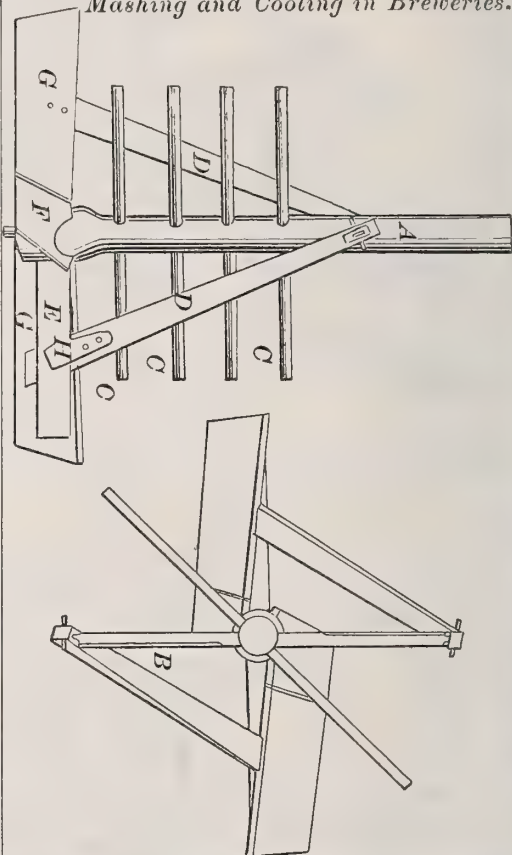
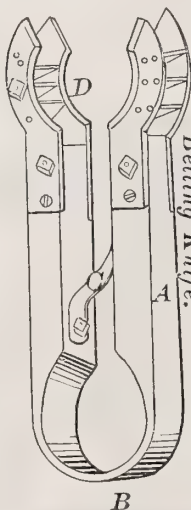
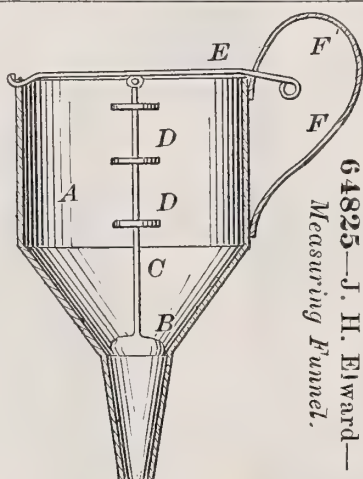
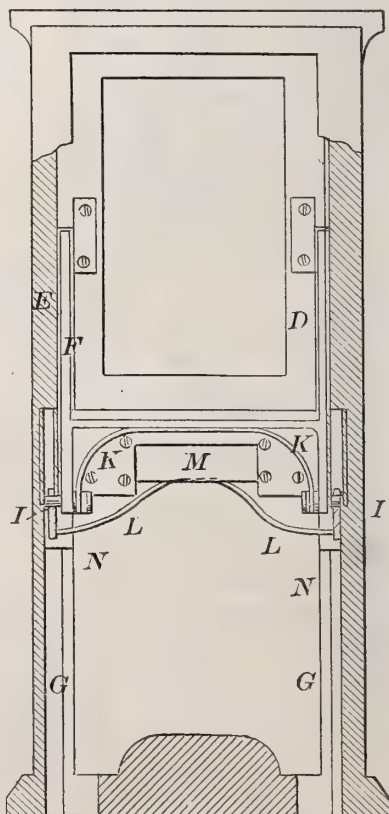
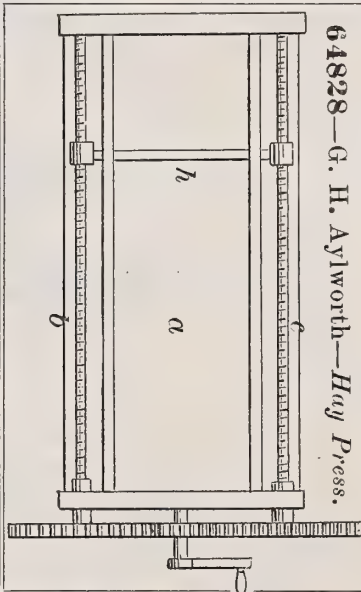
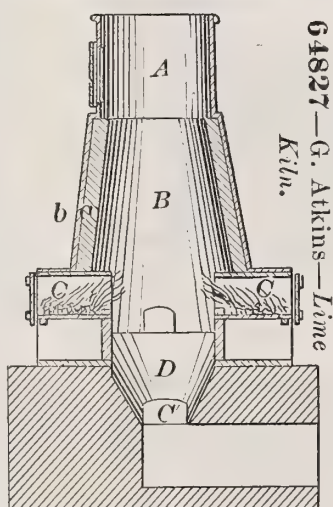
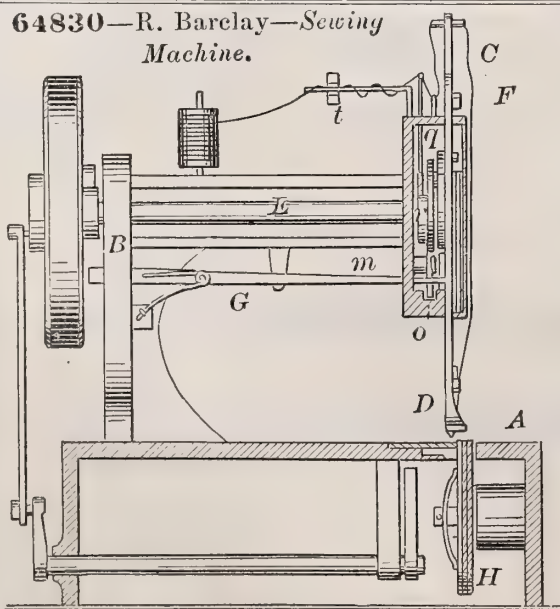
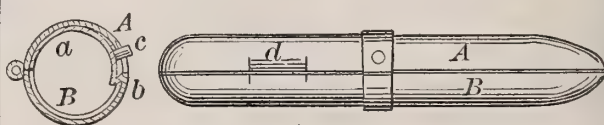


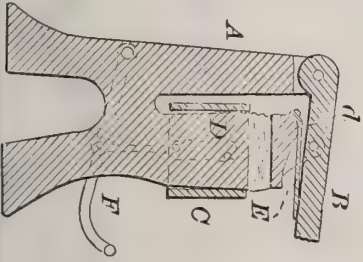
Fig. 1



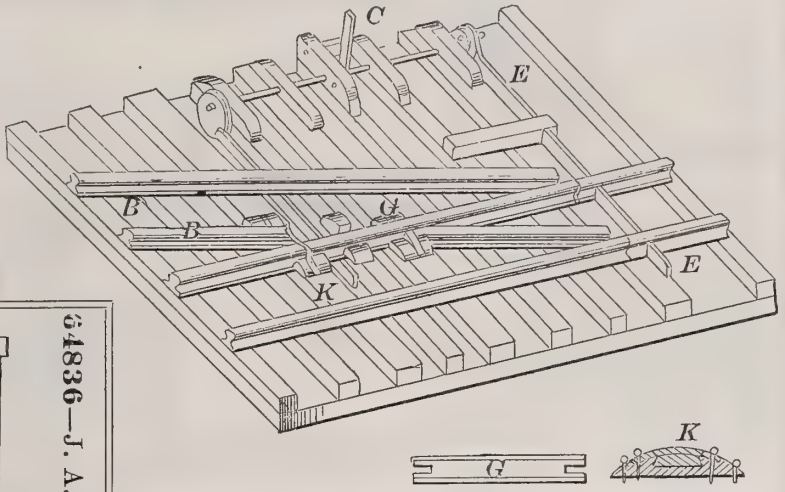


**64822**—S. S. Woodruff—*Baby Carriage.***64824**—Yingling & Poorman—*For Mashing and Cooling in Breweries.***64823**—J. B. Worsham—*Tobacco Belting Knife.***64825**—J. H. Elward—*Measuring Funnel.***64829**—F. Baker—*Carriage Window Frame.***64828**—G. H. Aylworth—*Hay Press.***64827**—G. Atkins—*Line Kilo.***64830**—R. Barclay—*Sewing Machine.***64826**—C. Appel—*For Holding Cigars.*

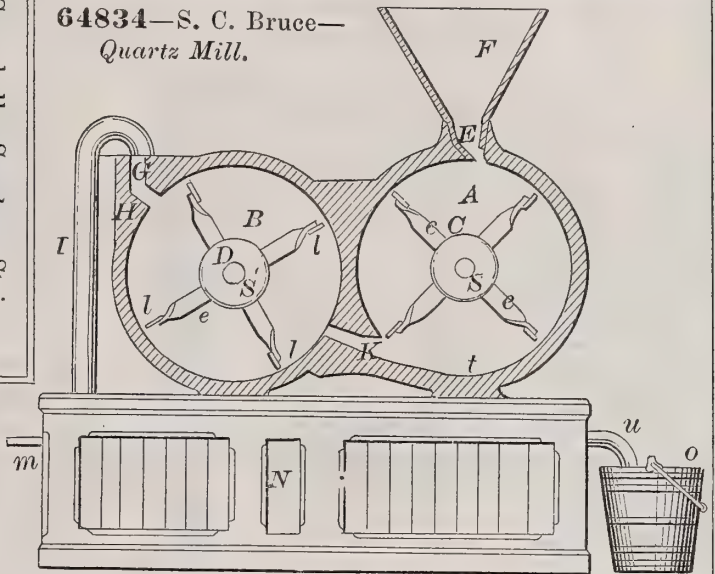
**64832**—A. Bridges—*Peat Machine.*



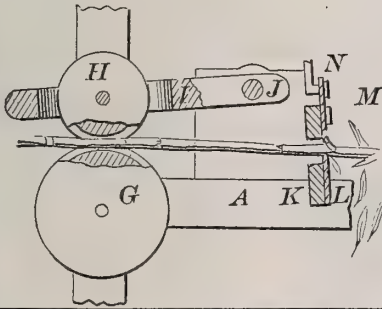
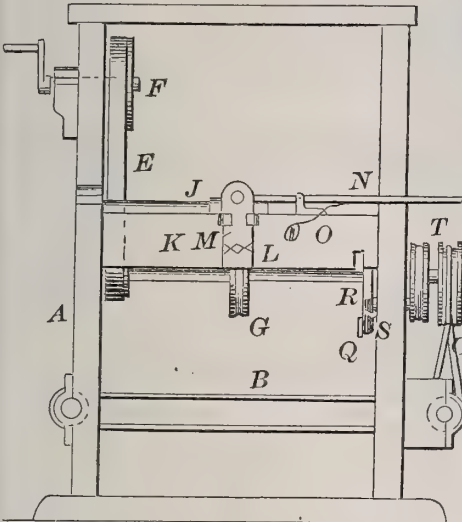
**64833**—J. S. Brothers—*Railway Switch.*



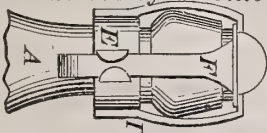
**64834**—S. C. Bruce—*Quartz Mill.*



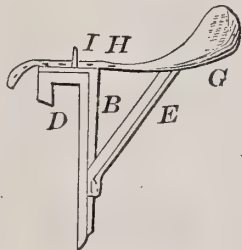
**64836**—J. A. Campbell—*Sorghum Stripper.*



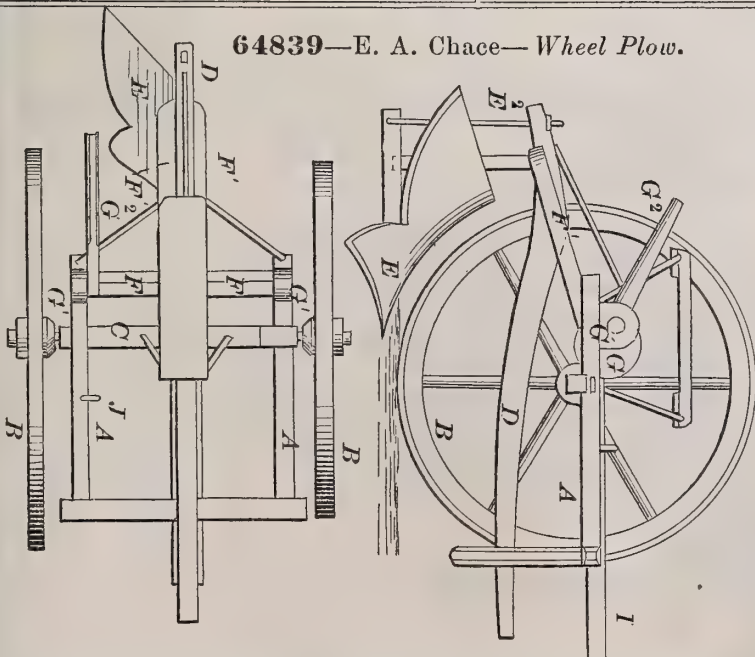
**64838**—H. S. Carley—*Bottle Stopper.*



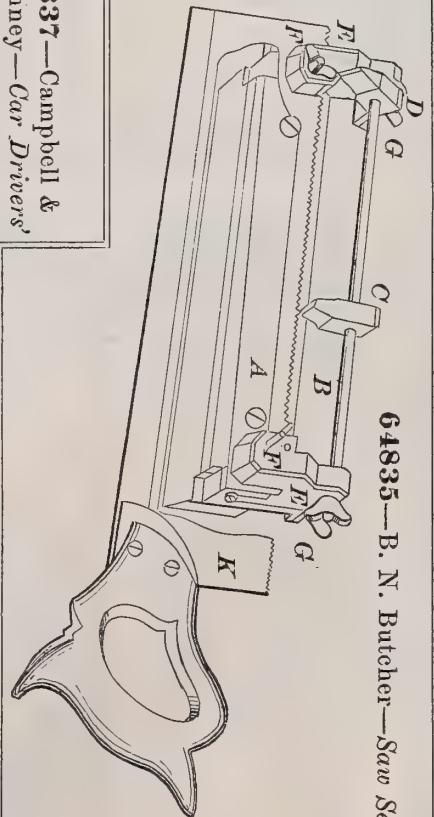
**64837**—Campbell & Timney—*Car Drivers' Seat.*



**64839**—E. A. Chace—*Wheel Plow.*

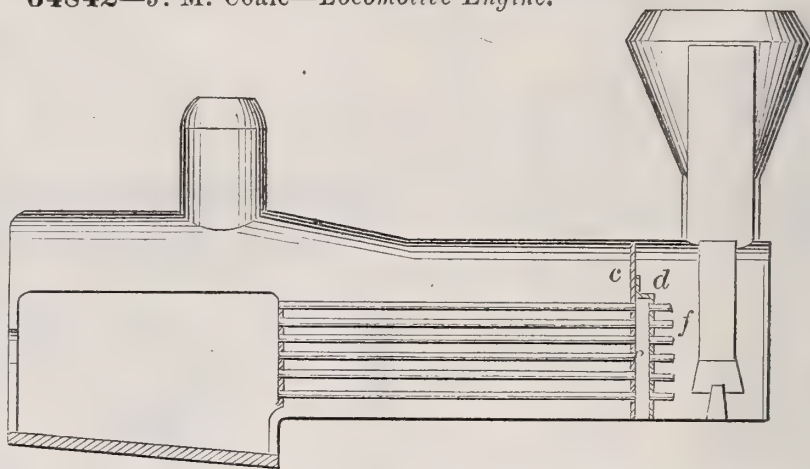


**64835**—B. N. Butcher—*Saw Set.*

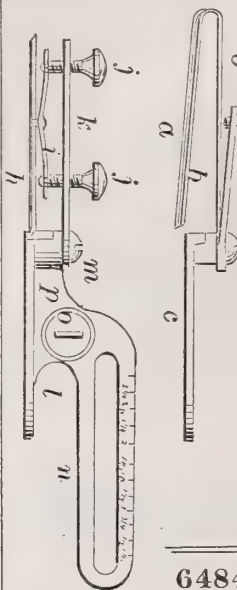




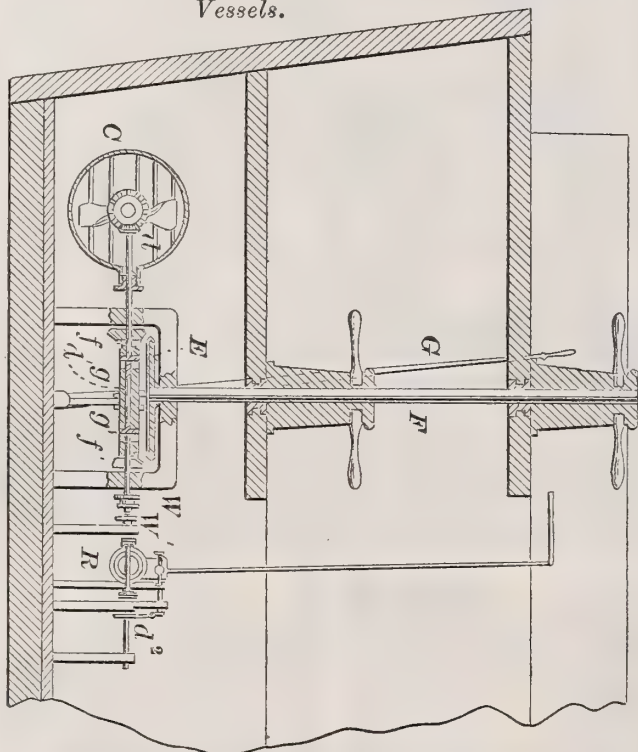
64842—J. M. Coale—Locomotive Engine.



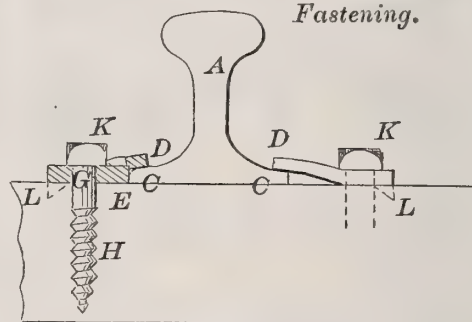
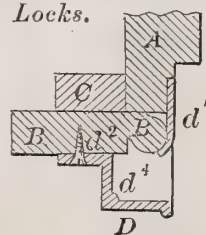
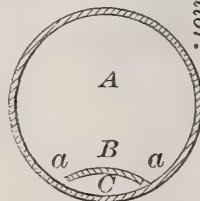
64840—G. F. Clemens—Cloth Guide for Sewing Machines.



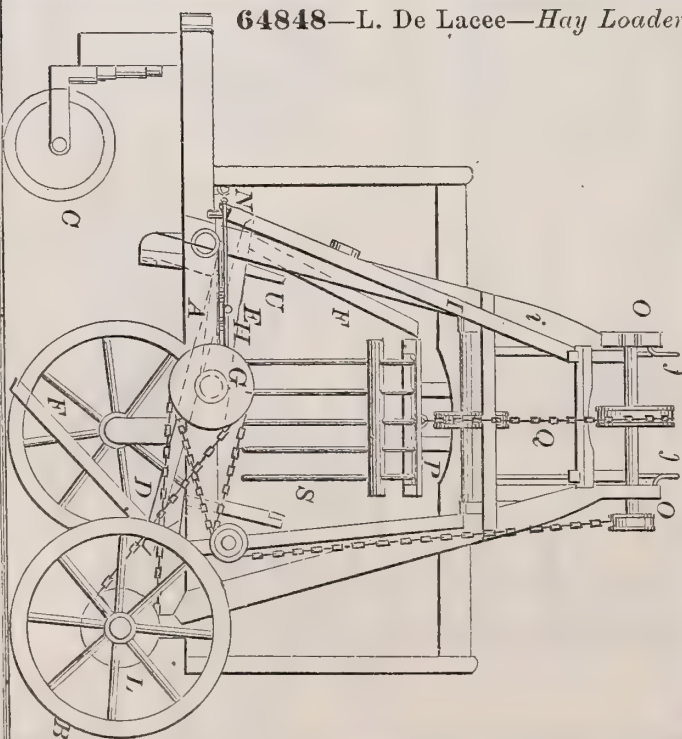
64846—R. Creuzbaur—For Steering Vessels.



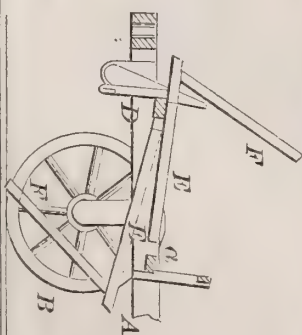
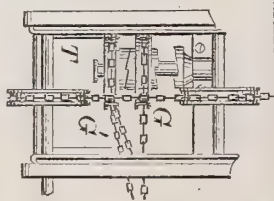
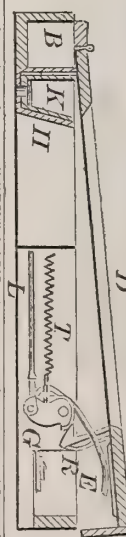
64843—J. Cochrane—Railroad Fastening.

64847—  
G. W. Da Cunha—  
Keeper for Door  
Locks.64844—S. M. Colburn—Steam  
Generator.

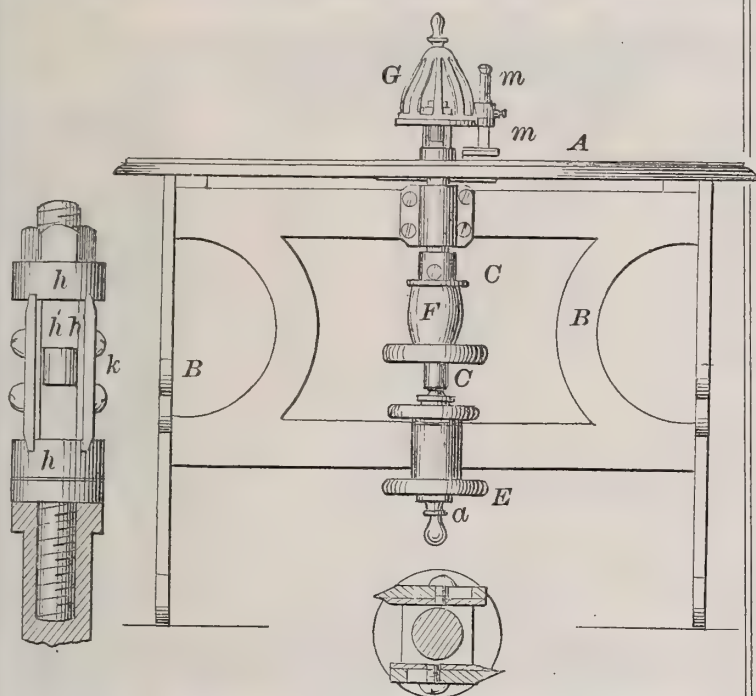
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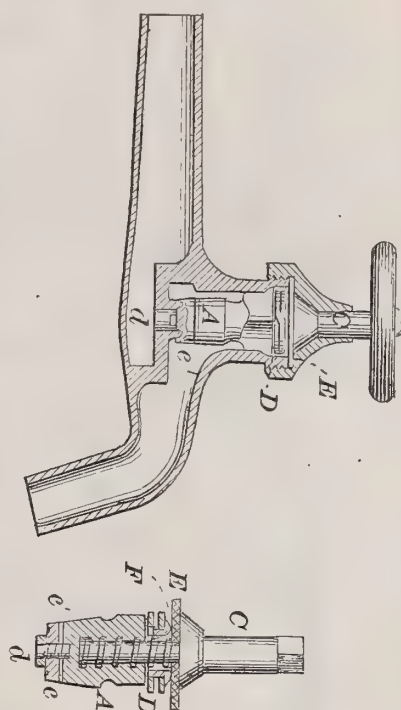
64841—Clifford &amp; Bell—Deodorizer for Privy Seats.



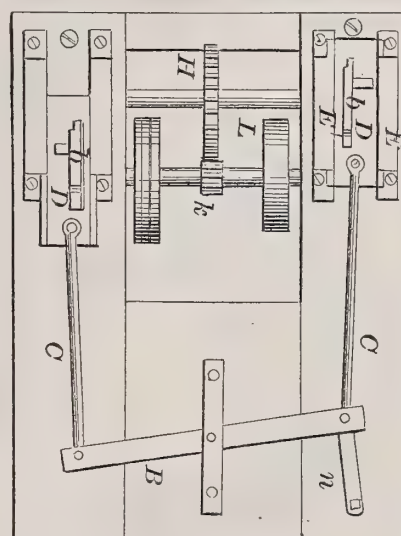
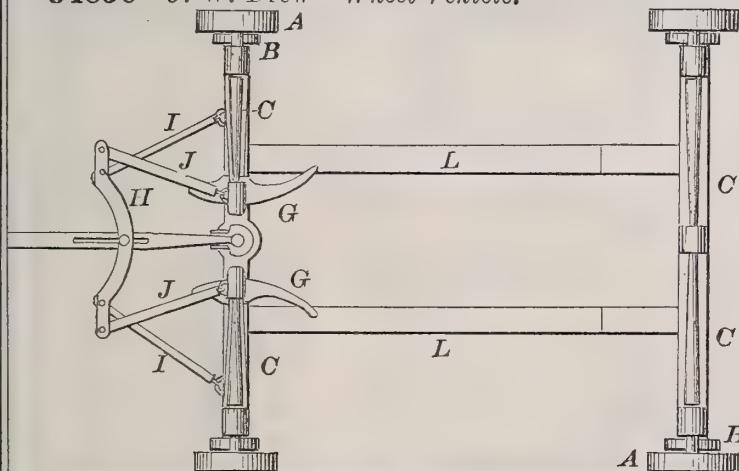
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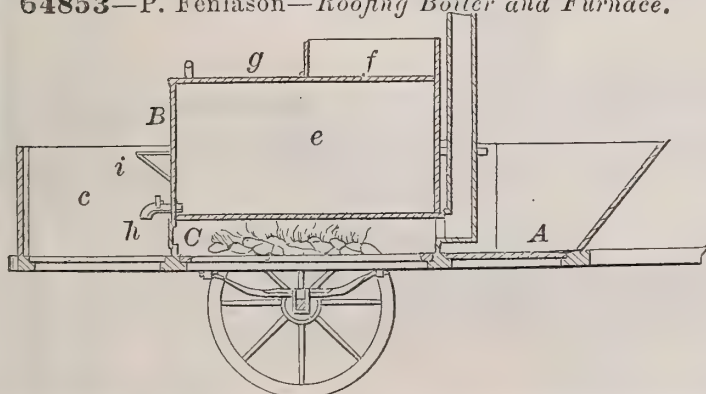
64851—C. M. Alburger—*Cock.*



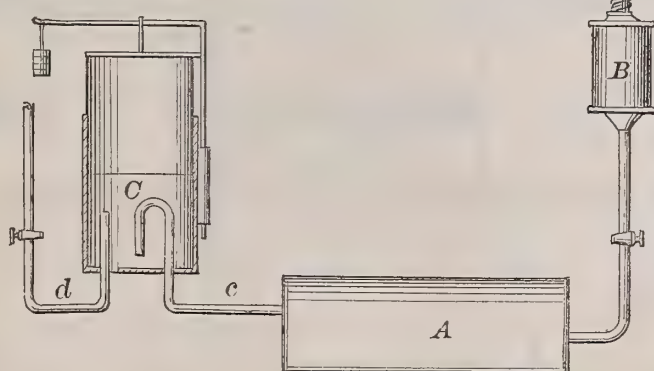
64850—J. W. Drew—*Wheel Vehicle.*



64853—P. Fenlason—*Roofing Boiler and Furnace.*



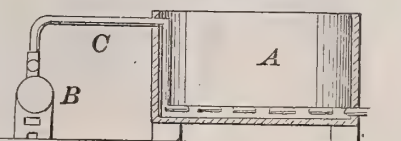
64854—B. L. Fetherolf—*Stove for Generating Gas.*



64852—J. A. Ehle—*Converting Rectilinear into Rotary Motion.*



64855—P. G. Finn—*Putting up Oil in Casks, &c.*





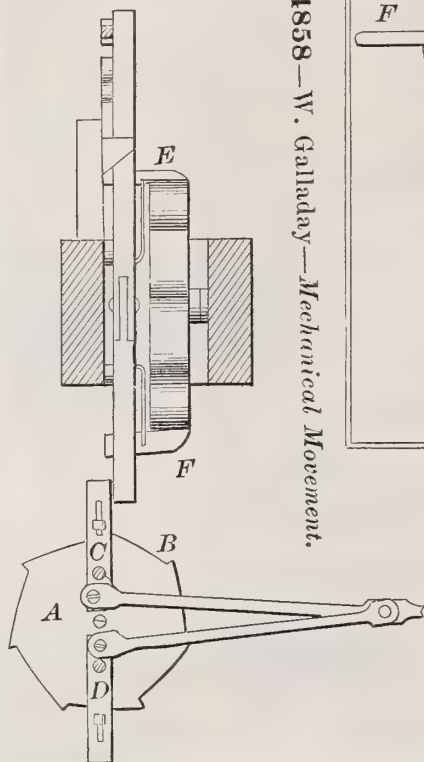
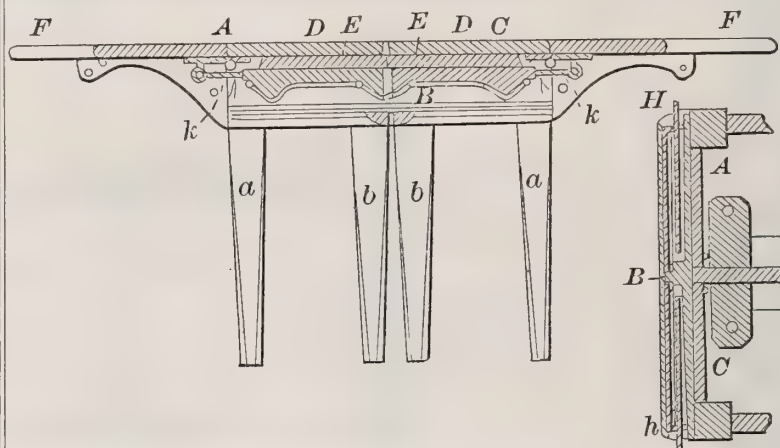
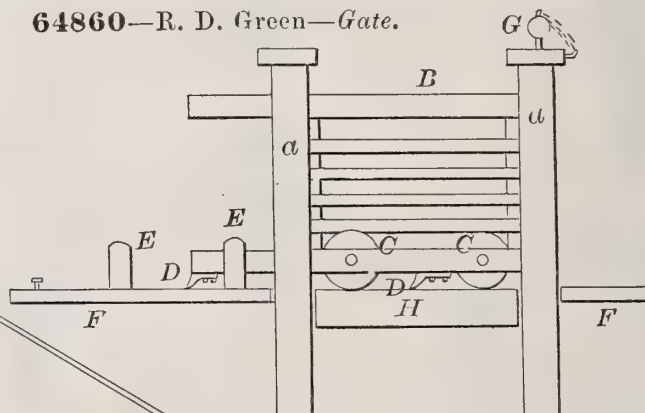
64858—W. Galladay—*Mechanical Movement.*64857—G. F. Folsom—*Extension Table.*64860—R. D. Green—*Gate.*64861—C. H. & J. H. Harnly—*Manure Drag.*

Fig. 2

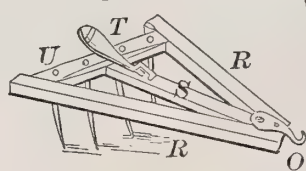
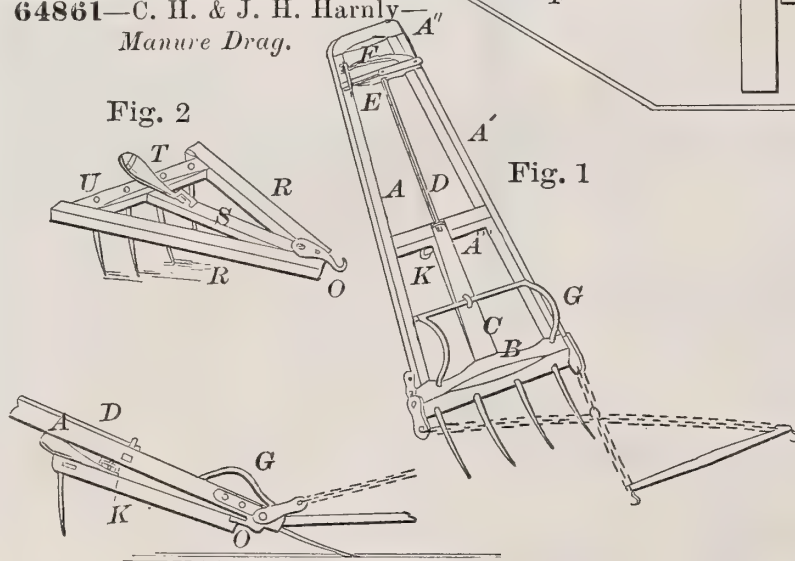
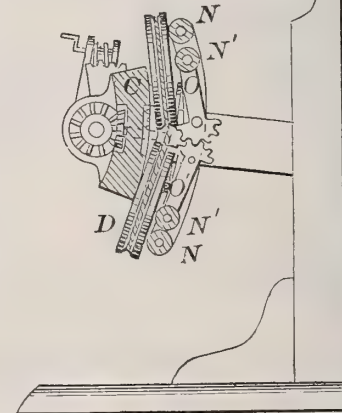
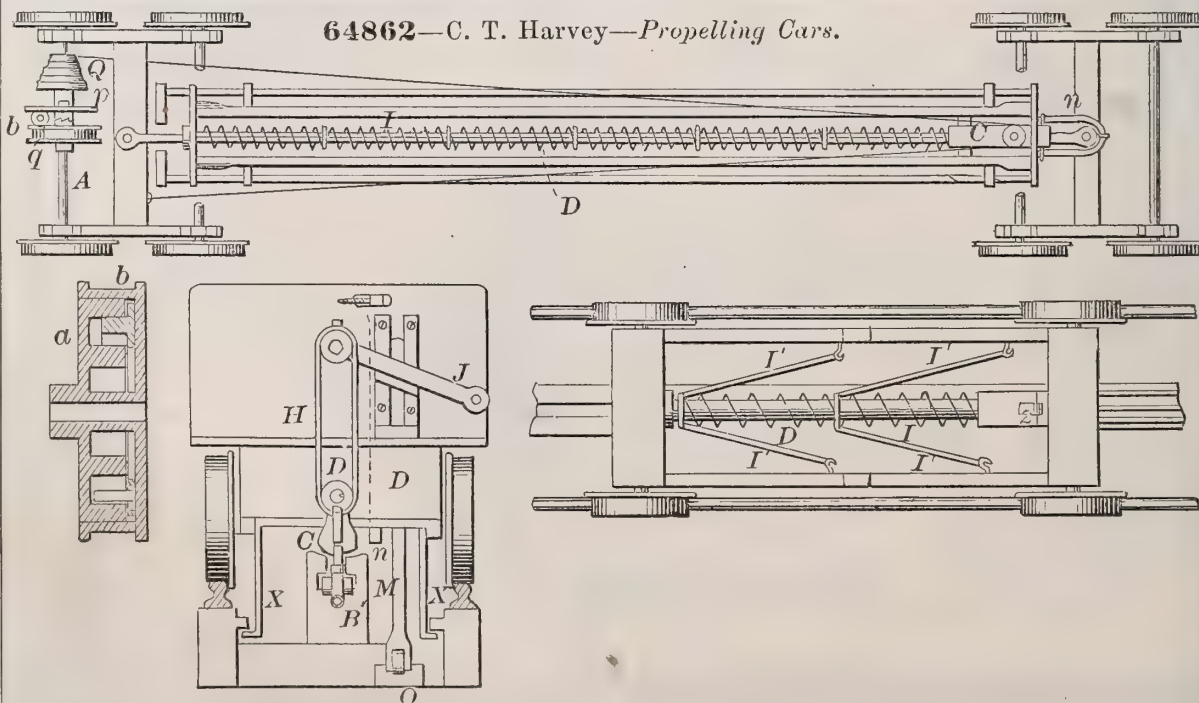
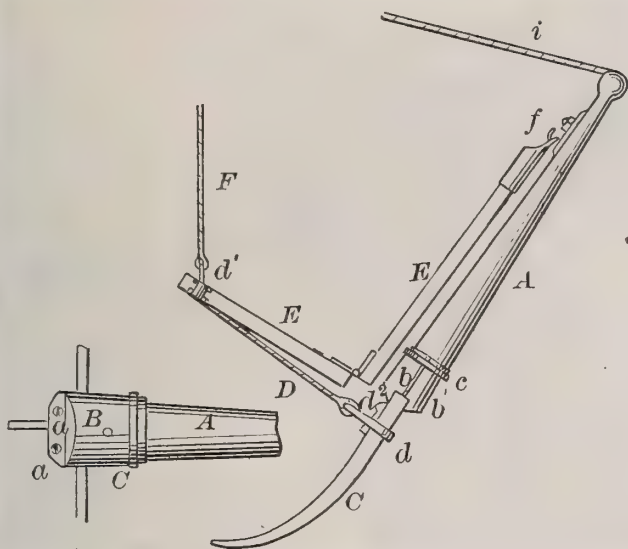


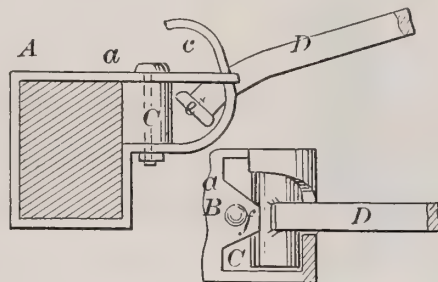
Fig. 1

64859—E. Gessner—*Gig Mill.*64862—C. T. Harvey—*Propelling Cars.*

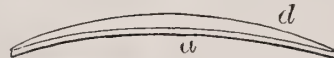
64863—H. H. Hatheway—*Horse Hay Fork.*



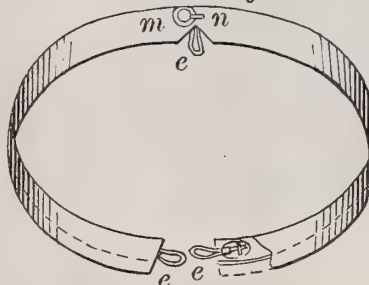
64865—T. Hersee, Jr.—*Attaching Thills to Vehicles.*



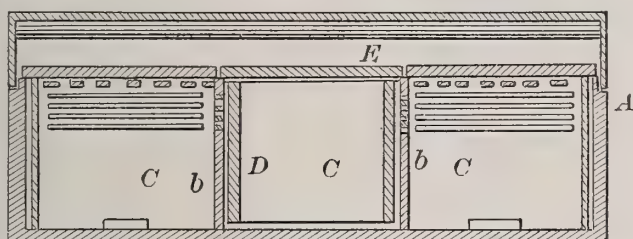
64866—B. T. Henry—*Carriage Spring.*



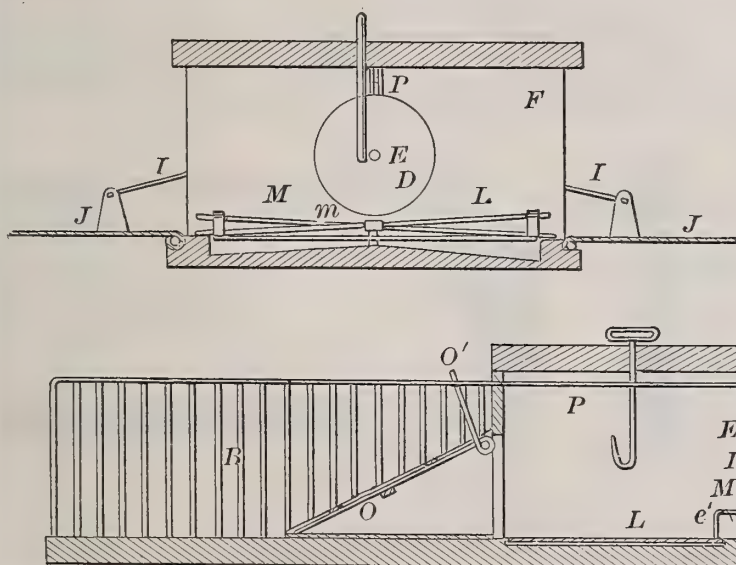
64867—F. Hess—*Shirt Collar Fastening.*



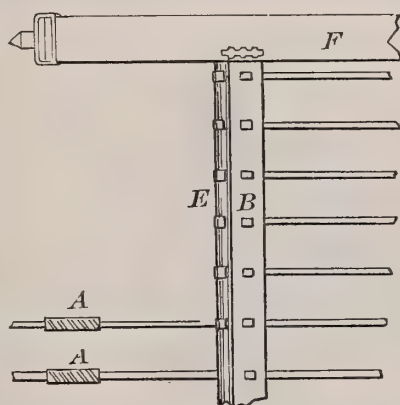
64864—B. S. & E. H. Haviland—*Beehive.*



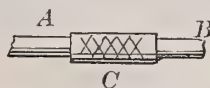
64869—J. W. Hollingsworth—*Animal Trap.*



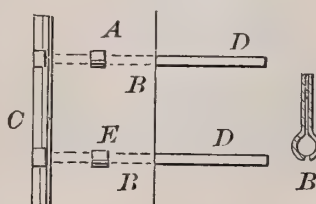
64870—W. E. Houston—*Hoop Skirt.*



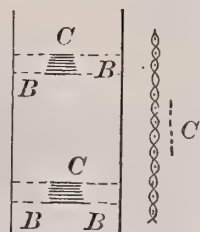
64871—W. E. Houston—*Hoop Skirt Clasp.*



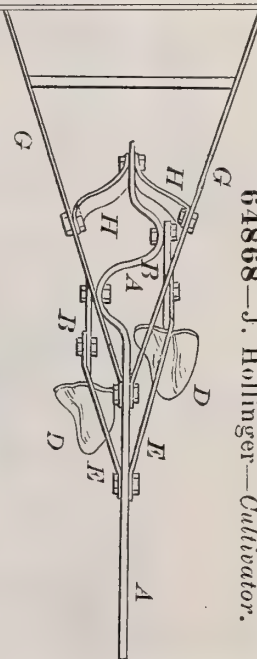
64872—W. E. Houston—*Hoop Skirt Tape.*



64873—W. E. Houston—*Hoop Skirt Tape.*

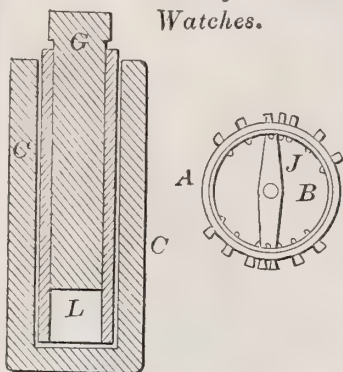


64868—J. Hollinger—*Cultivator.*

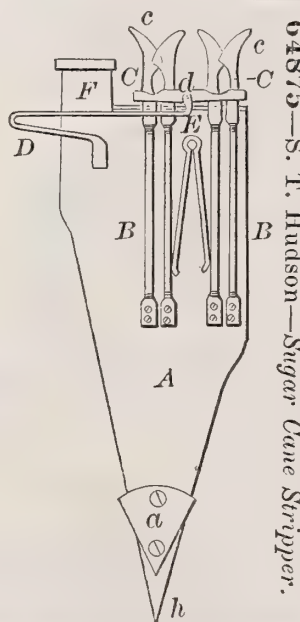
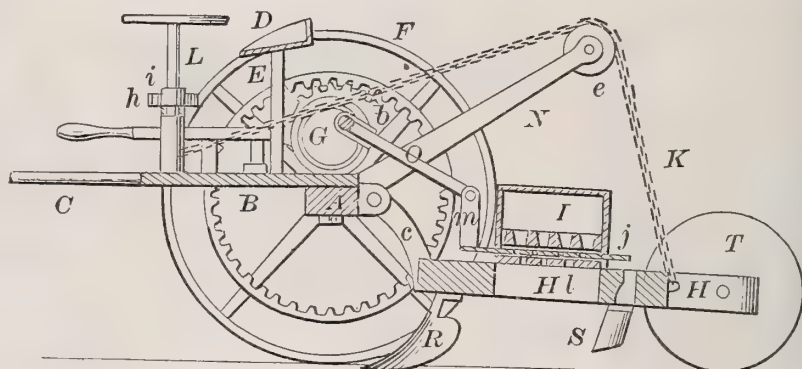




**64874**—E. Howard—*Balance Wheel for Watches.*

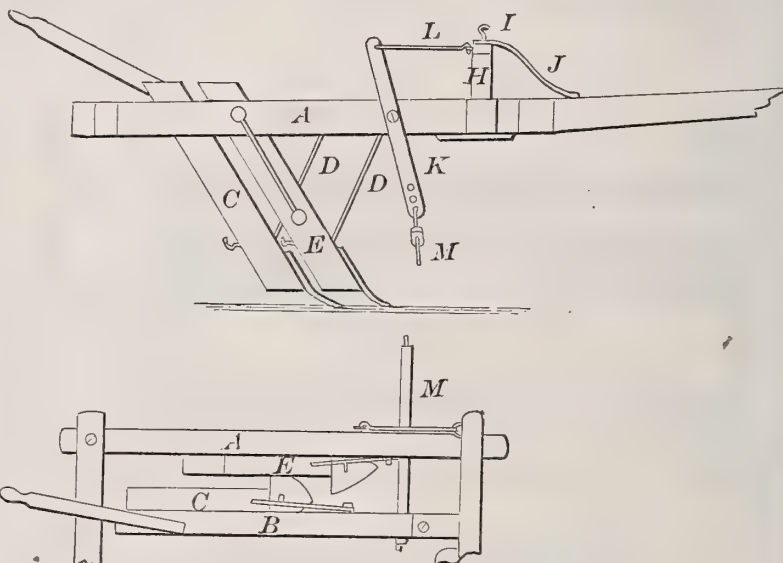


**64877**—D. H. Hull—*Seed Planter.*

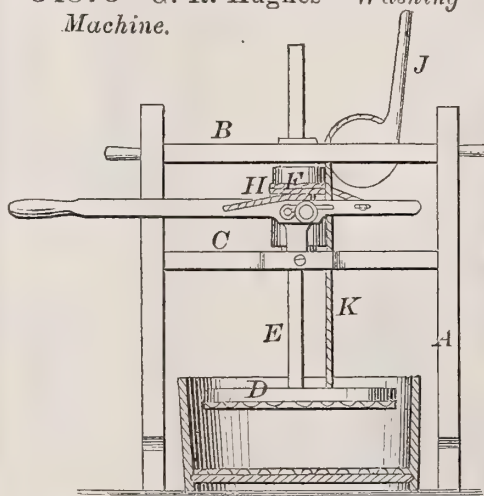


**64875**—S. T. Hudson—*Sugar Cane Stripper.*

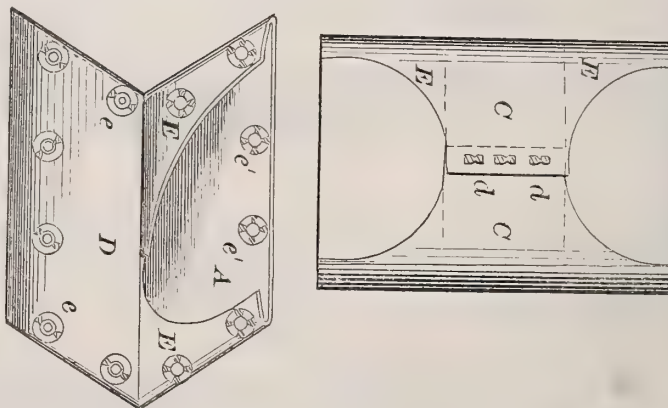
**64878**—J. M. Hume—*Cultivator.*



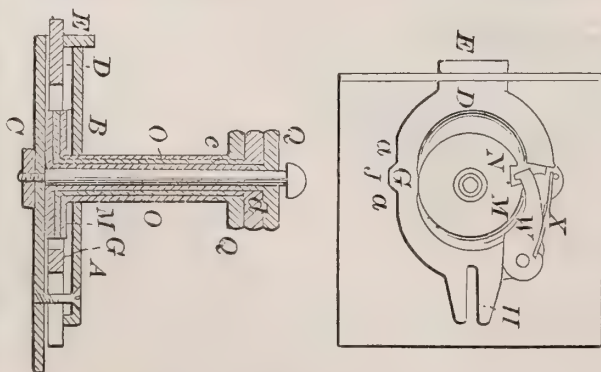
**64876**—G. R. Hughes—*Washing Machine.*



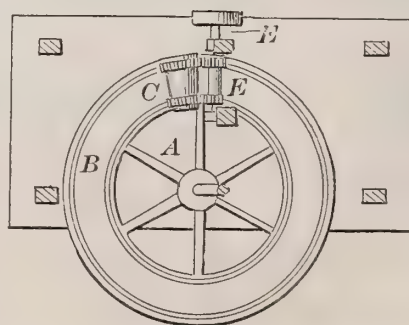
**64879**—R. S. Jennings—*Envelope.*



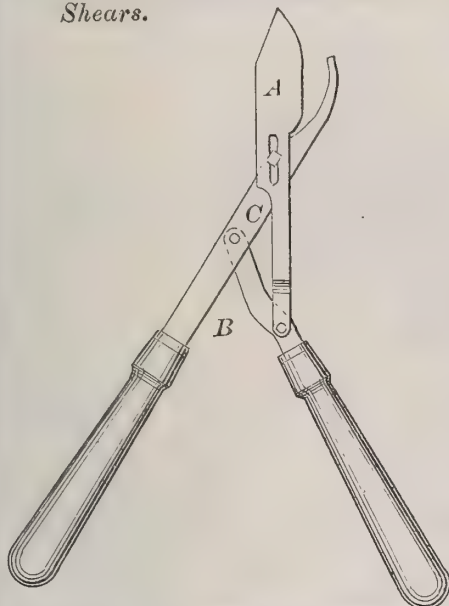
**64880**—Johnson & Thompson—*Permutation Lock.*



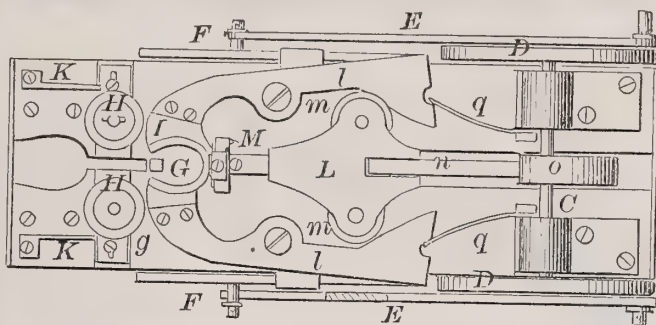
**64881**—W. B. Jones—*Motive Power.*



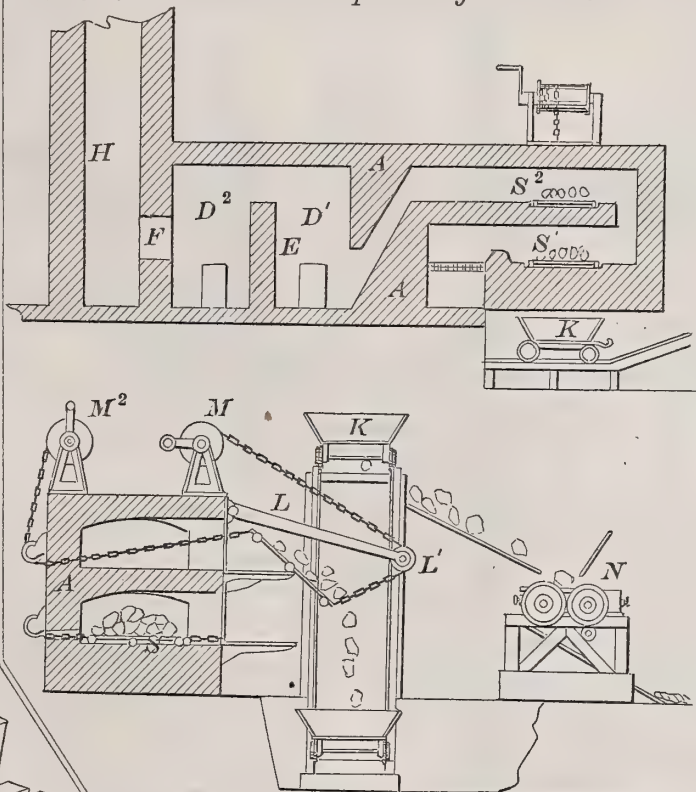
64882—P. Keck—*Pruning Shears.*



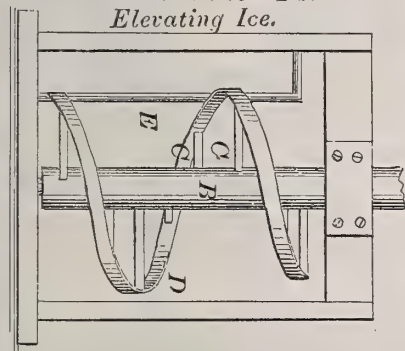
64883—J. W. Kingsbury—*Horse Shoe Machine.*



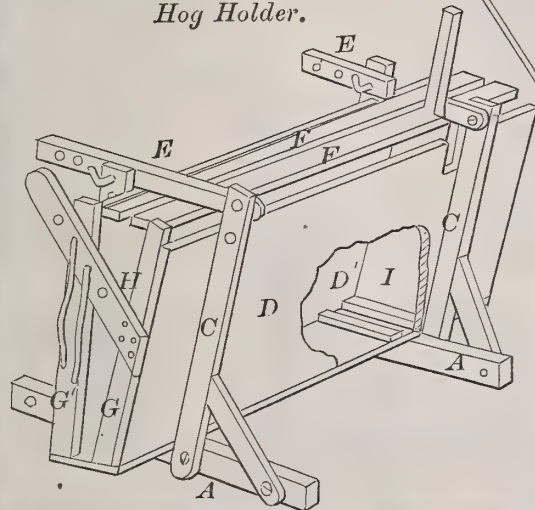
64887—J. Little—*Desulphurizing Iron Ore.*



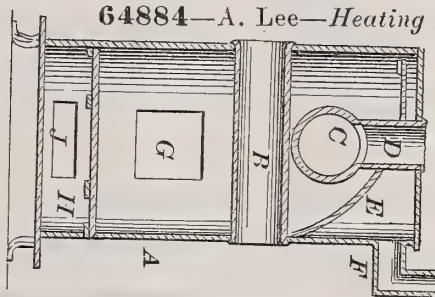
64886—H. Little—*For Elevating Ice.*



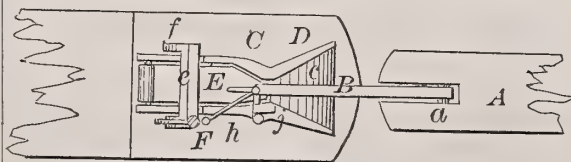
64885—W. & C. Leffingwell—*Hog Holder.*



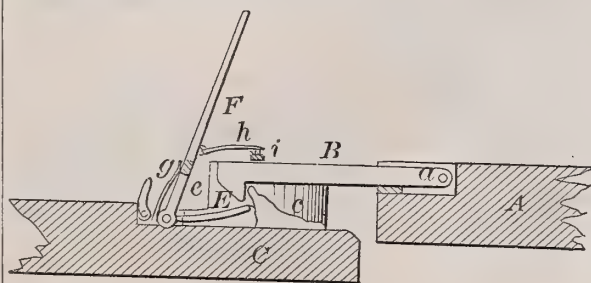
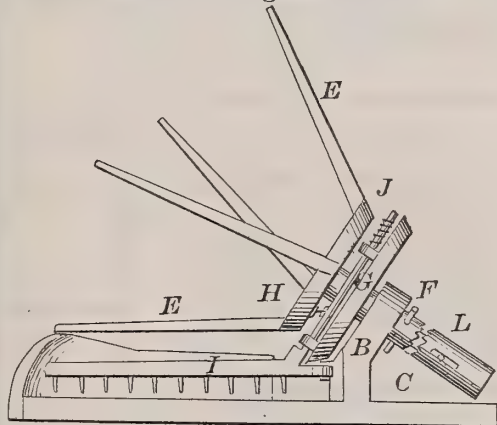
64884—A. Lee—*Heating Stove.*



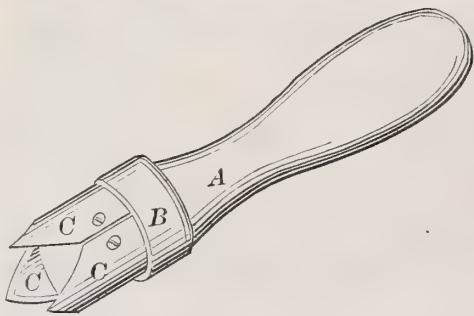
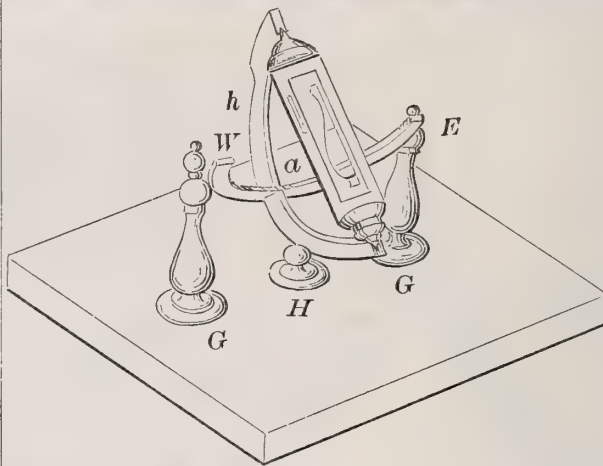
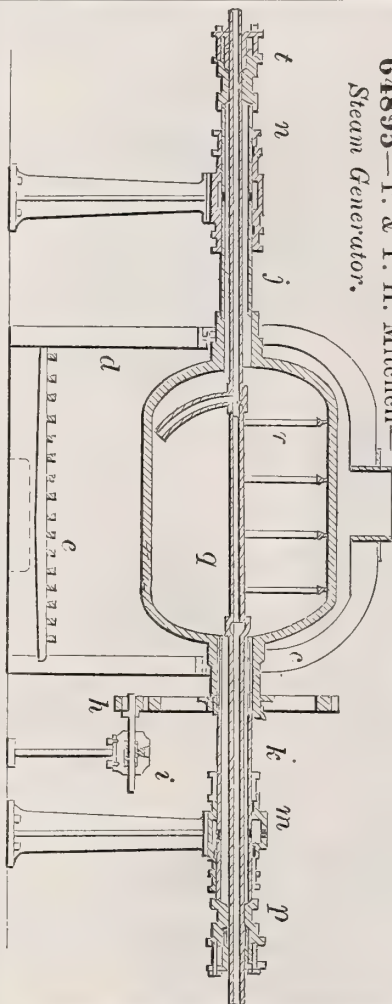
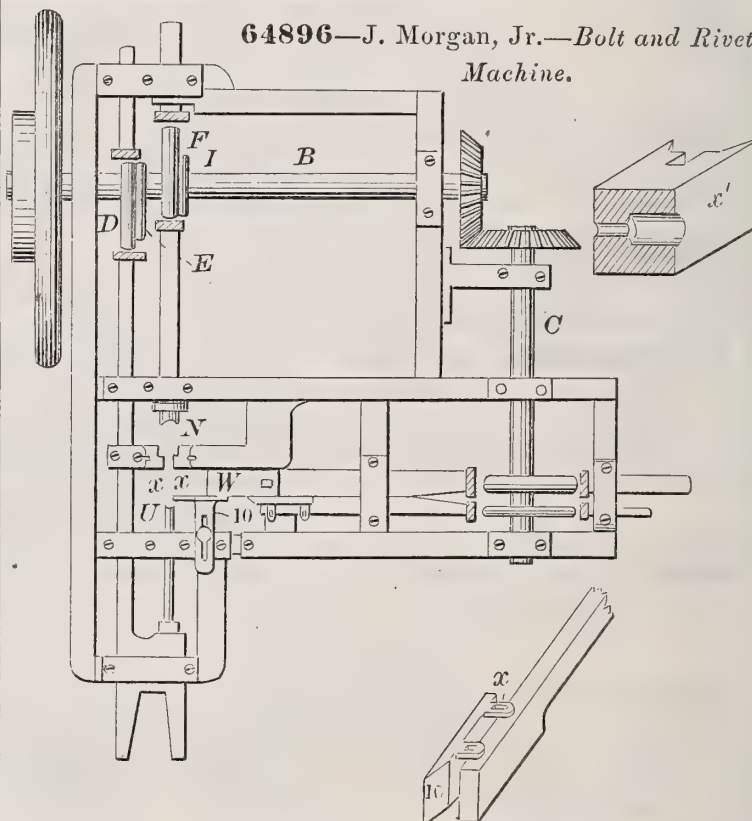
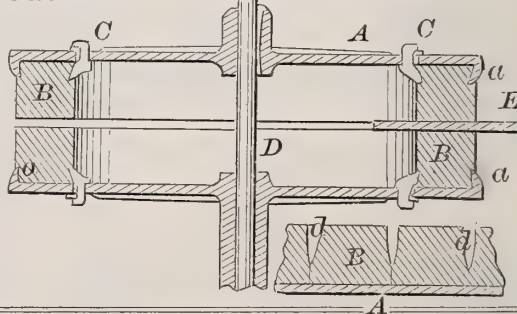
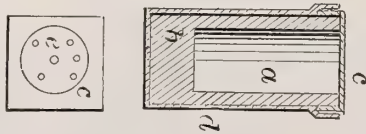
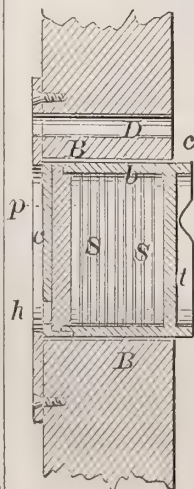
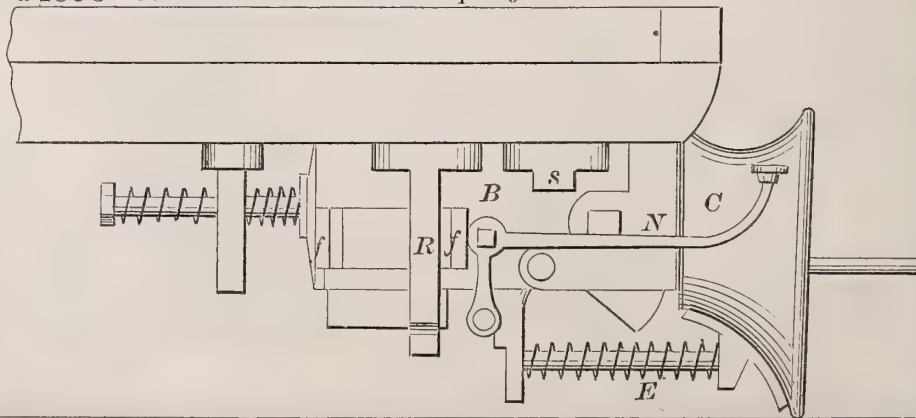
64890—W. H. Mayo—*Car Coupling.*



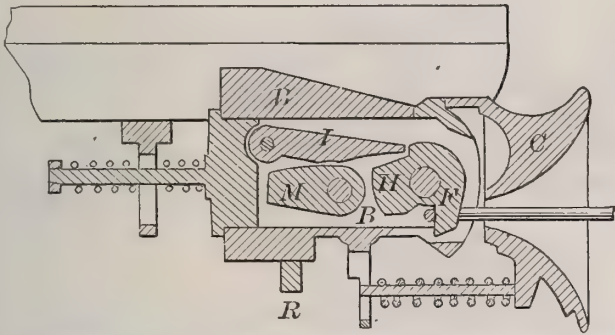
64888—J. M. Long—*Harvester Rake.*



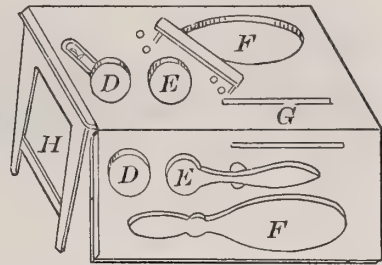


64891—T. A. McFarland—*Can Opener.*64892—L. Miffin—*Solar Chronometer.*64895—T. & T. H. Mitchell—*Steam Generator.*64896—J. Morgan, Jr.—*Bolt and Rivet Machine.*64893—W. P. Miller—*Grindstone.*64897—G. A. Moss—*Box for Blueing.*64894—F. E. Mills—*Door Indicator.*64898—J. H. J. O'Neill—*Car Coupling.*

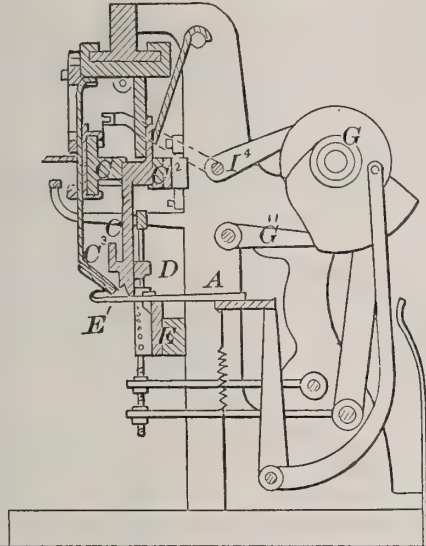
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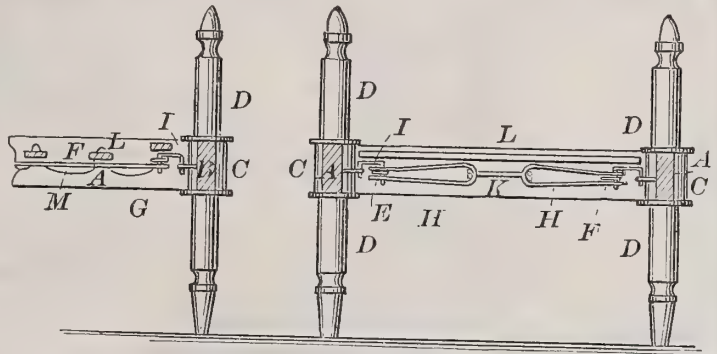
64899—A. W. Overbaugh—  
Portable Blacking Case.



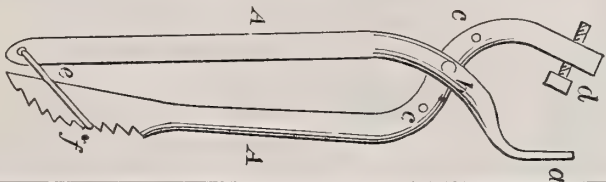
64900—A. Paget—Knitting  
Machine.



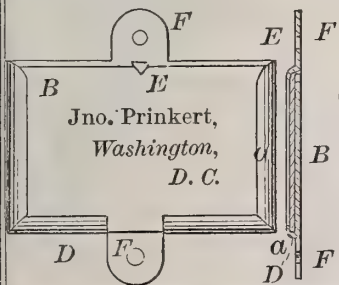
64901—I. Pedrick—Bedstead.



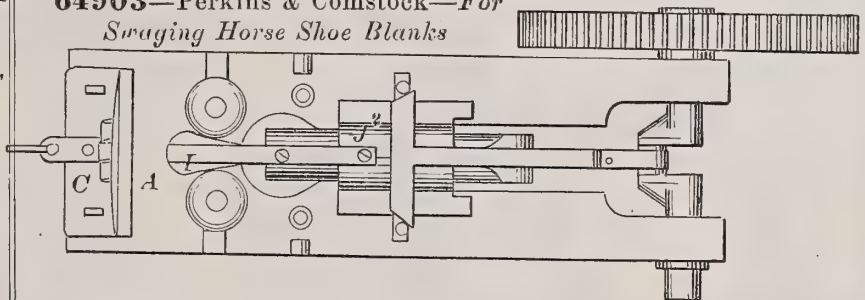
64904—Perry & Cornish—Bolt Holder.



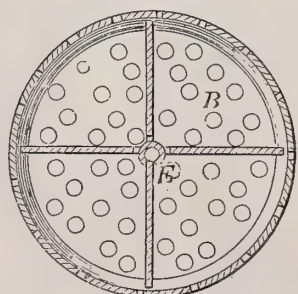
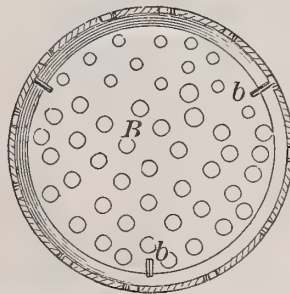
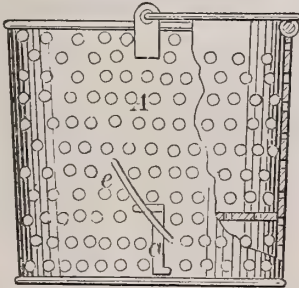
64902—H. H. Pember—  
Card Holder.



64903—Perkins & Comstock—For  
Sizing Horse Shoe Blanks



64905—B. F. Porter—Cullender Boiler.



64906—L. O. Rockwood—Gang Plow.

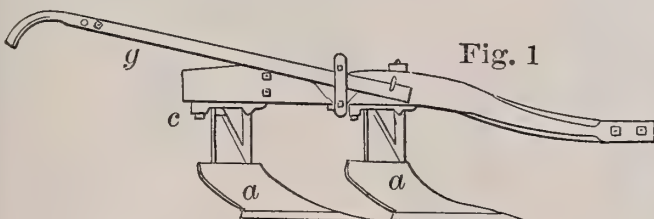
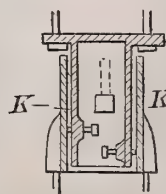
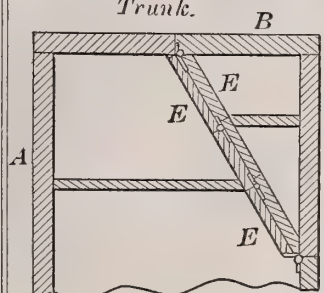


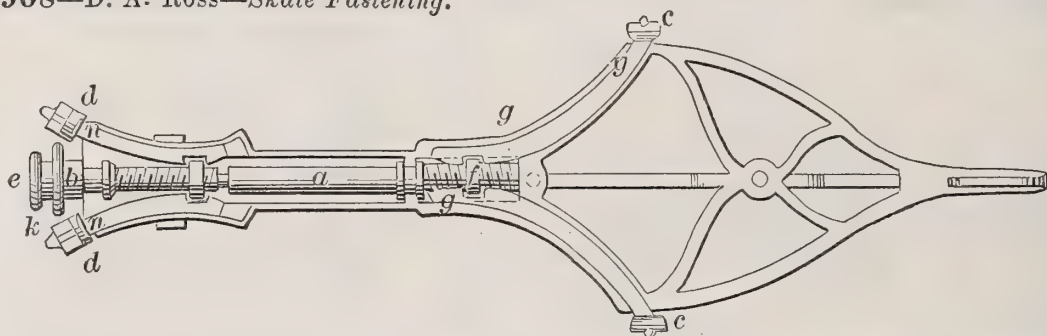
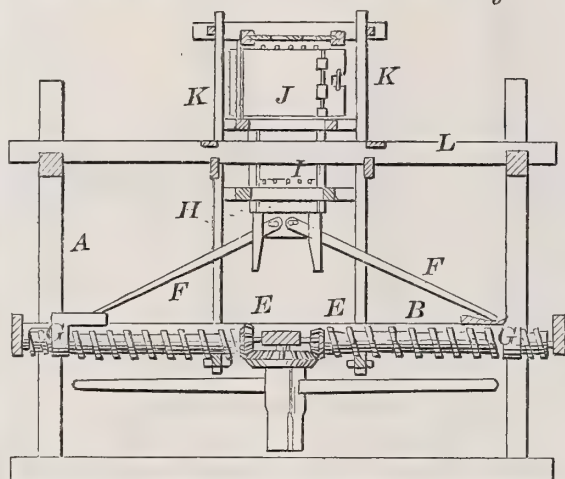
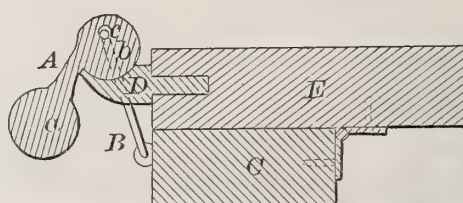
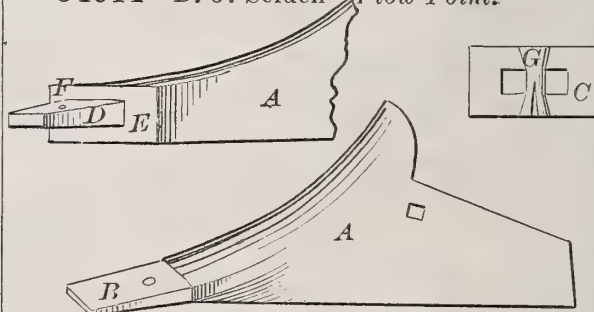
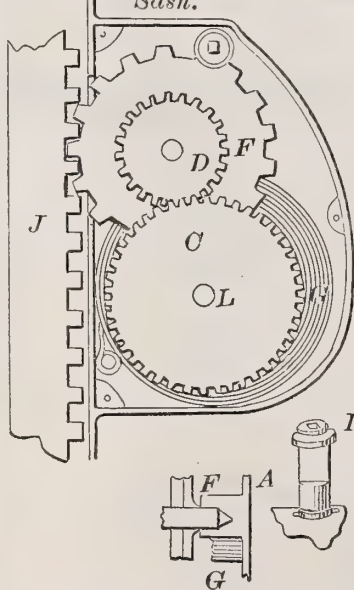
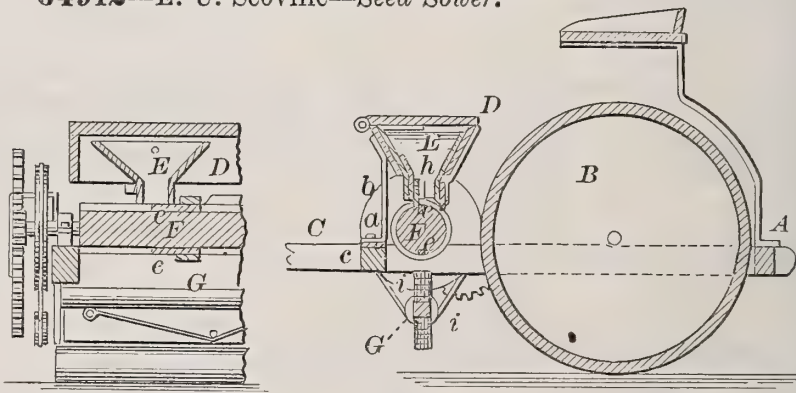
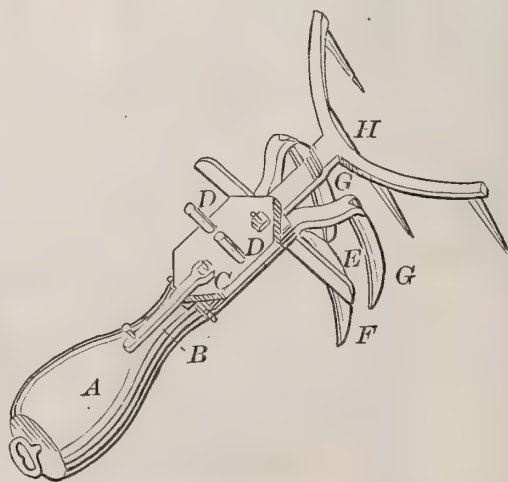
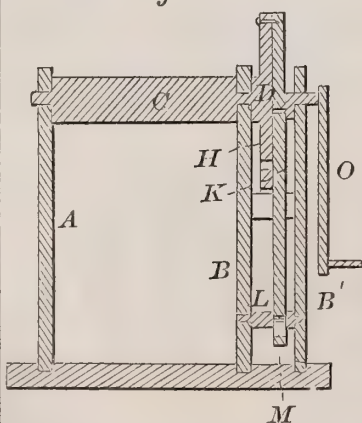
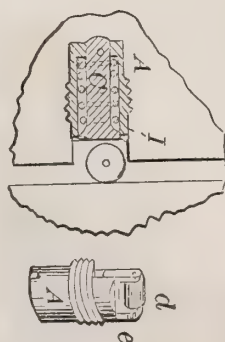
Fig. 1



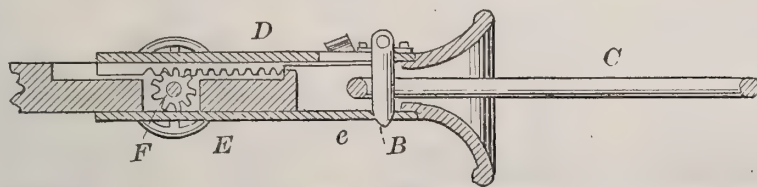
64907—C. A. Rose—  
Trunk.



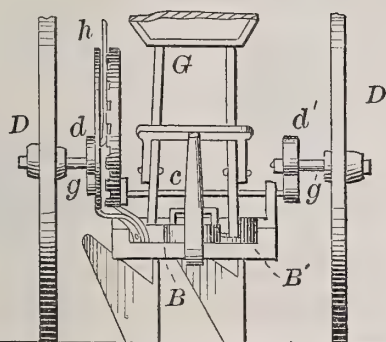
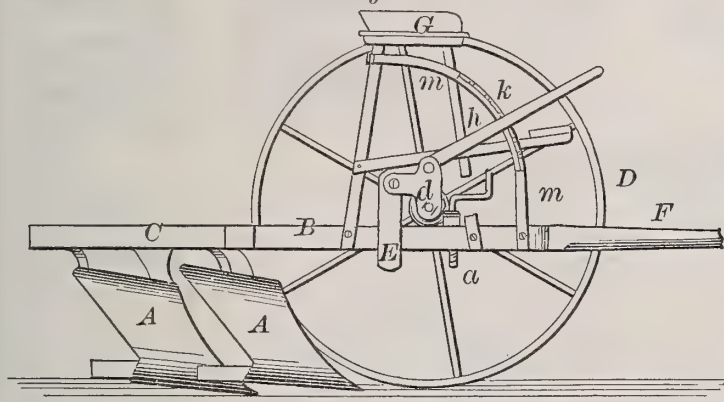


64908—D. A. Ross—*Skate Fastening.*64909—J. G. Roux—*Cotton and Hay Press.*64913—J. E. Seavey—*Tip Cart Fastening.*64914—D. J. Selden—*Plow Point.*64910—C. A. Schaefer—*Hanging and Locking Sash.*64912—E. U. Scoville—*Seed Sower.*64917—G. W. Smith—*Garden Cultivator.*64915—H. F. Shaw—*Hoisting Gear.*64911—C. A. Schaefer—*Sash Supporter.*

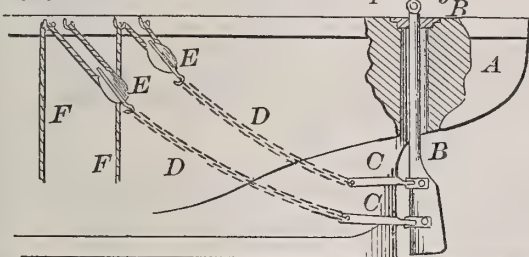
64918—Smith & Irvin—*Car Coupling.*



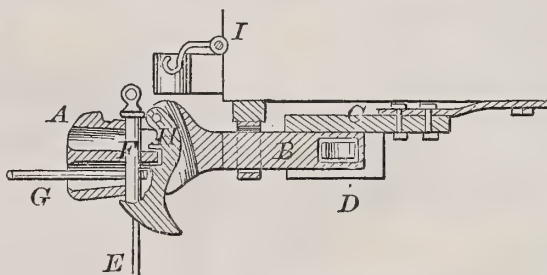
64923—J. W. Sursa—*Gang Plow.*



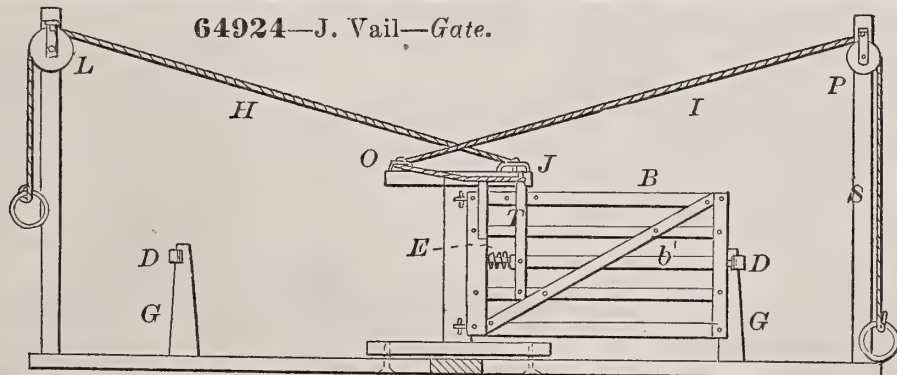
64920—H. L. Stibbs—*Temporary Rudder.*



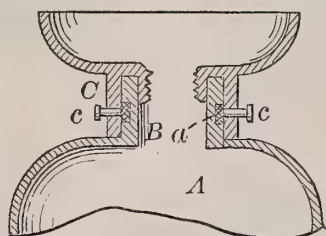
64921—W. A. Stowell—*Car Coupling.*



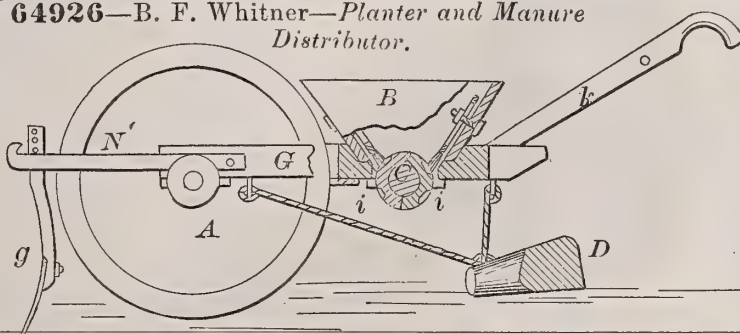
64924—J. Vail—*Gate.*



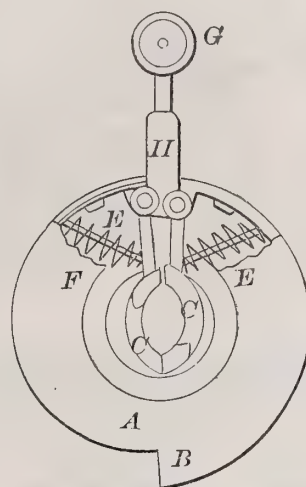
64925—H. Weston—*Attaching Burners to Lamps.*



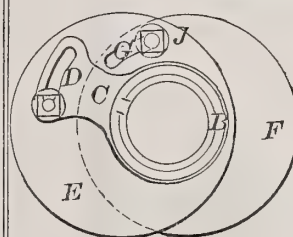
64926—B. F. Whitner—*Planter and Manure Distributor.*



64919—E. E. Stedman—*Corn Shelter.*

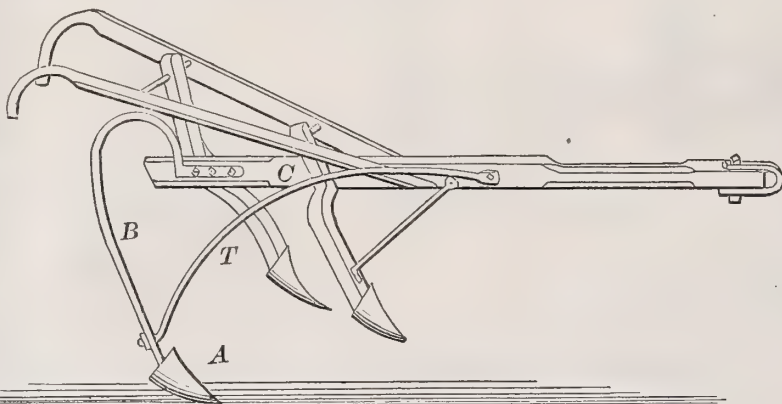


64922—J. B. Strickland—*Adjustable Eccentric.*

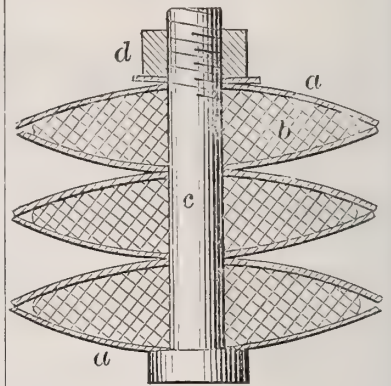




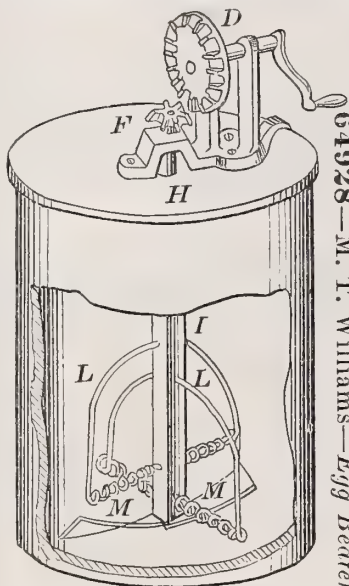
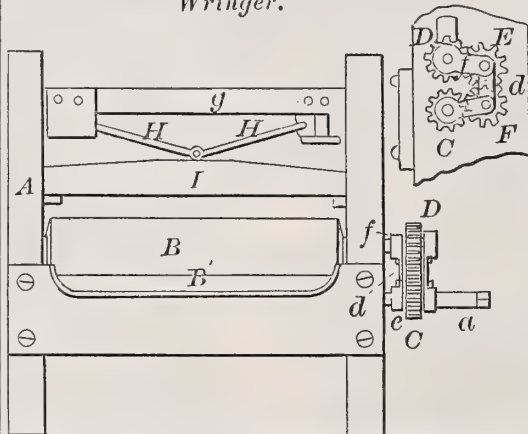
64927—A. Wilcox—Shovel Plow.



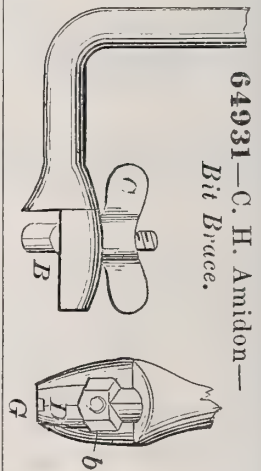
64930—H. A. Alden—Car Spring.



64932—C. H. Amidon—Clothes Wringer.

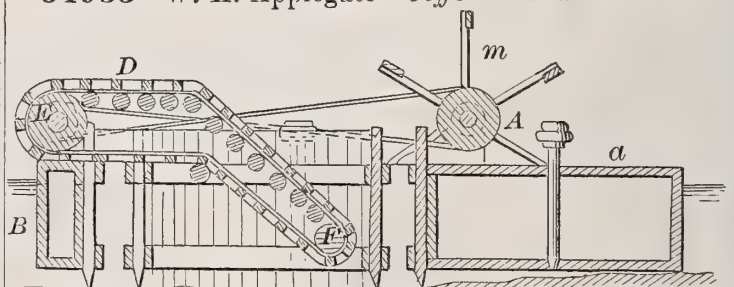


64928—M. T. Williams—Egg Beater.

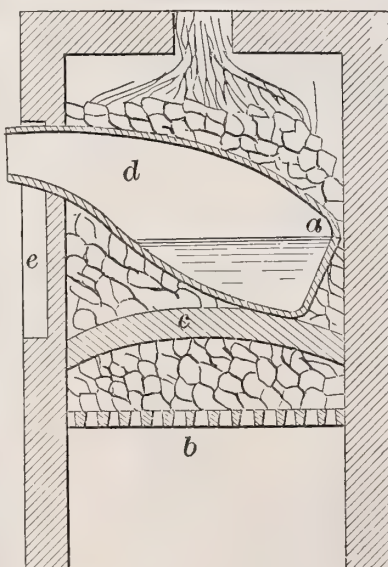
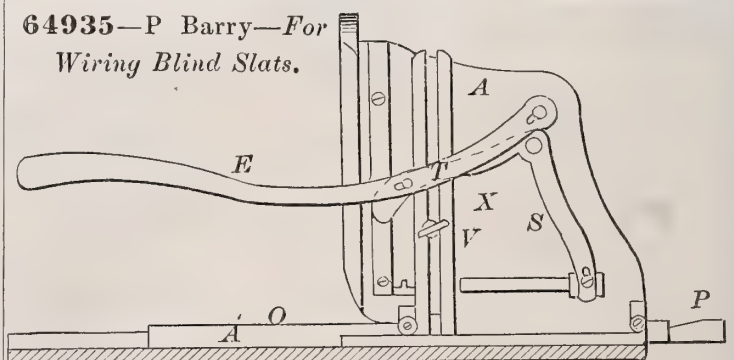


64931—C. H. Amidon—Bit Brace.

64933—W. H. Applegate—Coffer Dam and Boat.

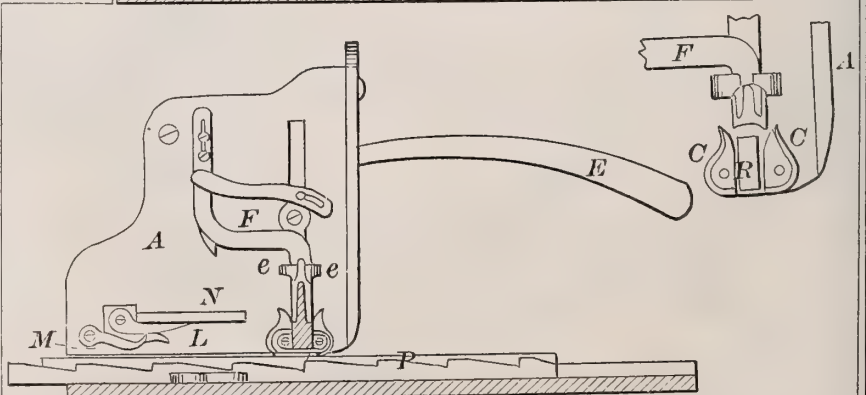
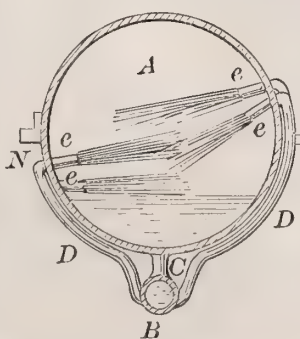


64935—P. Barry—For Wiring Blind Slats.

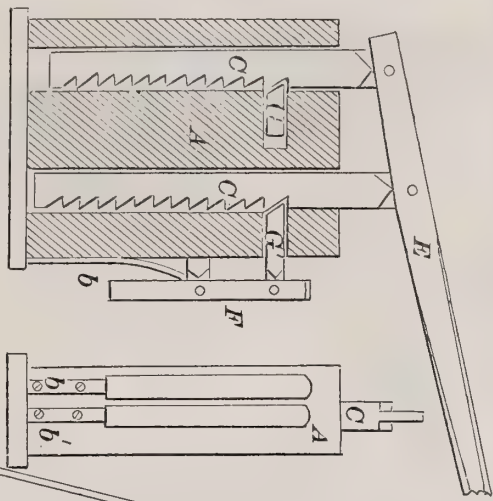
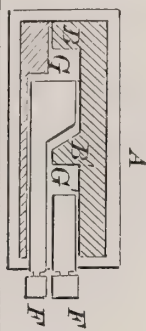
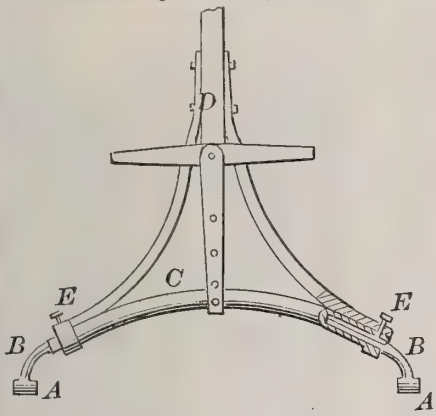


64934—E. Balbach, Jr.—Separating Zone from Gold and Silver.

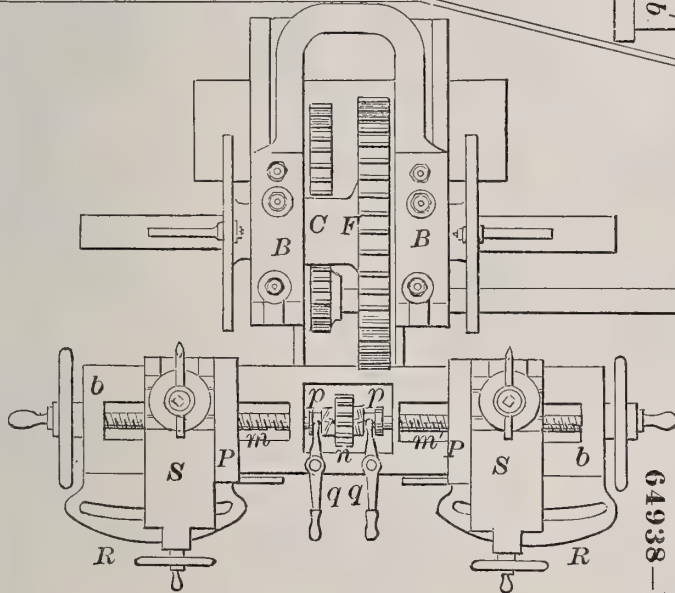
64929—J. Woodruff—Steam Generator.



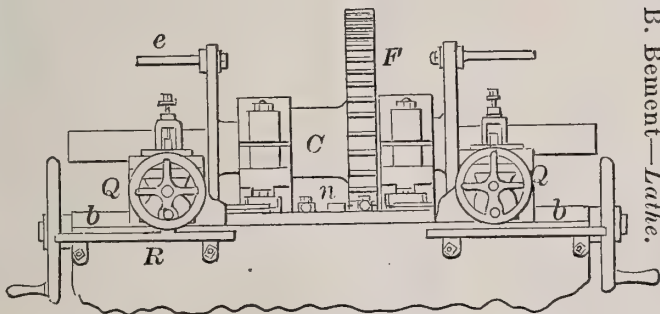
**64936**—A. R. Bartram—  
*Attaching Carriage Thills.*



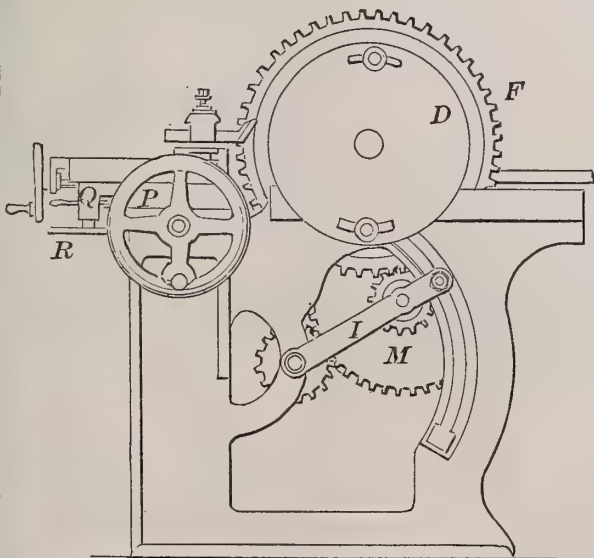
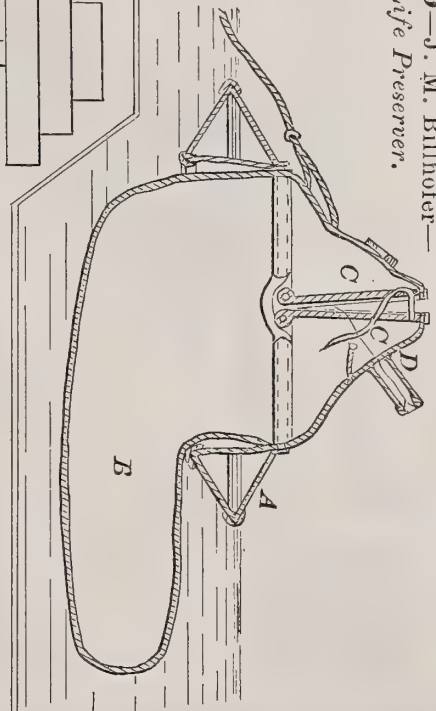
**64937**—J. H. Boan—*Lifting Jack.*



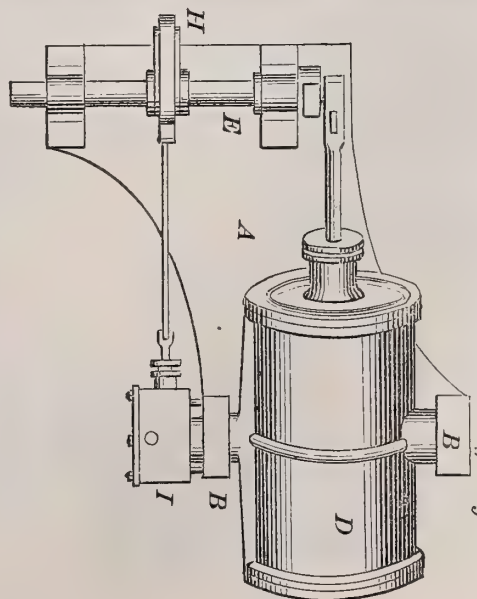
**64938**—W. B. Bement—*Lathe.*



**64939**—J. M. Billhofer—  
*Life Preserver.*

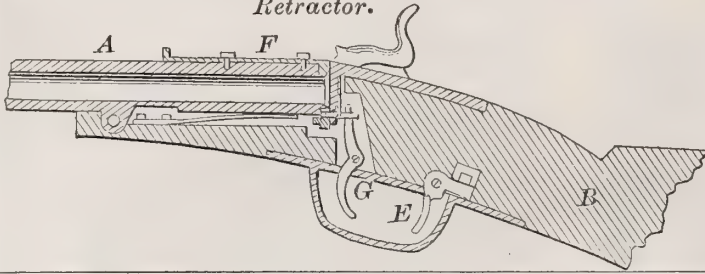


**64940**—W. E. Bird—*Oscillating Engine.*

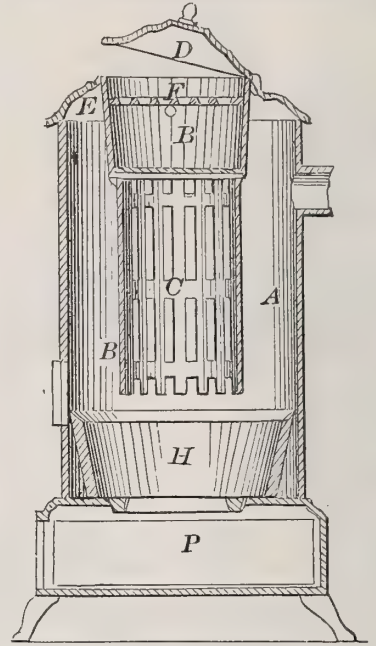




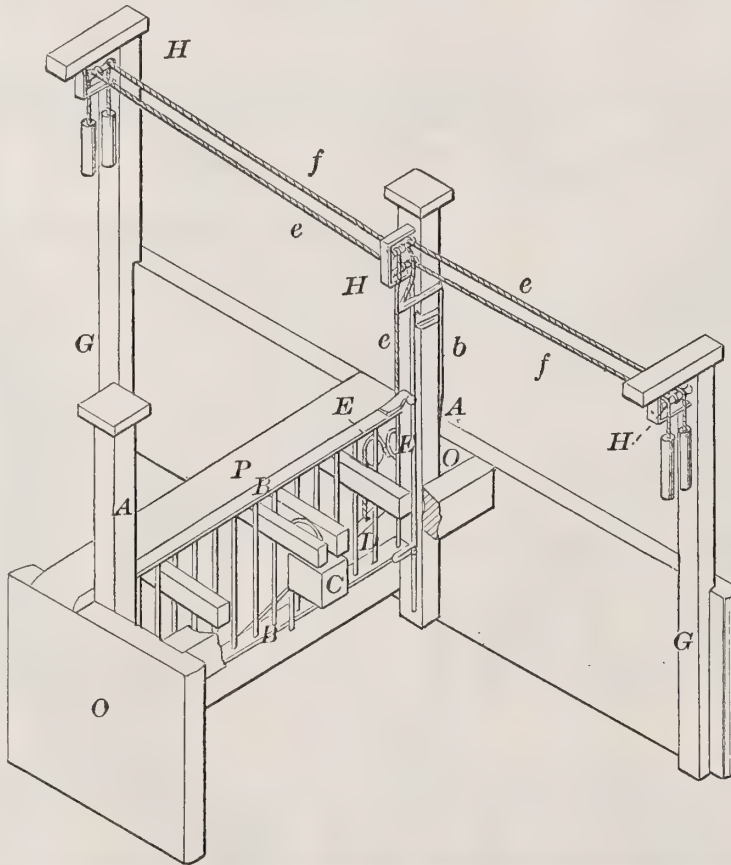
**64941**—G. W. Bowlby—*Back Sight and Cartridge Retractor.*



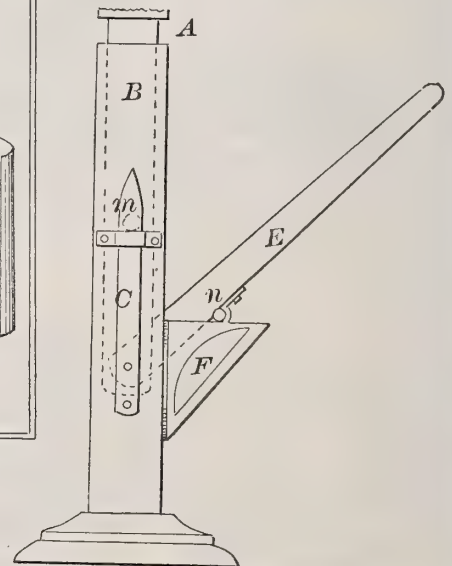
**64943**—A. Brown—*Heating Stove.*



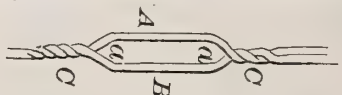
**64945**—J. A. Burchard—*Gate.*



**64946**—C. Butterworth—*Lifting Jack.*

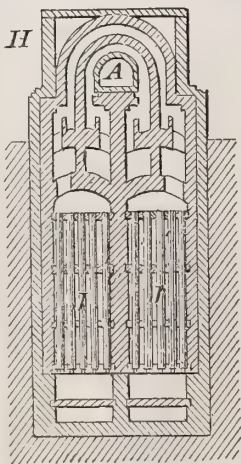
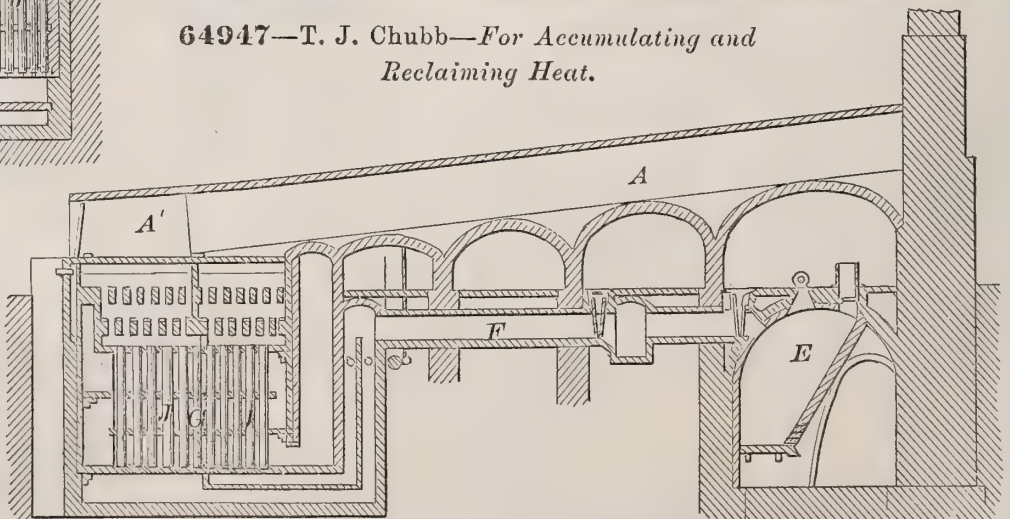


**64942**—C. Bried—*Carriage Trimming.*

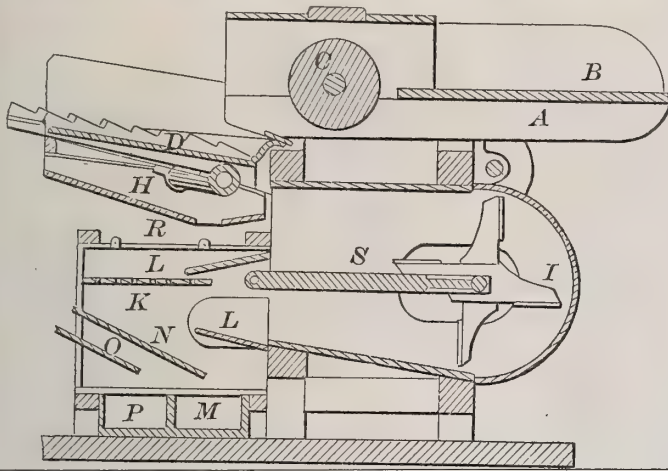


**64944**—D. C. Brown—*Wire Heddle for Loom Harness.*

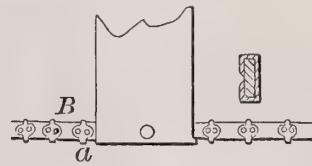
**64947**—T. J. Chubb—*For Accumulating and Reclaiming Heat.*



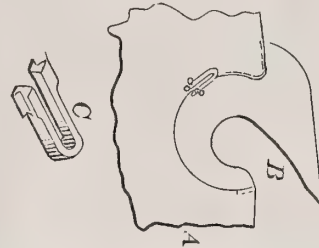
64948—A. Cornell—*Grain Thresher and Cleaner.*



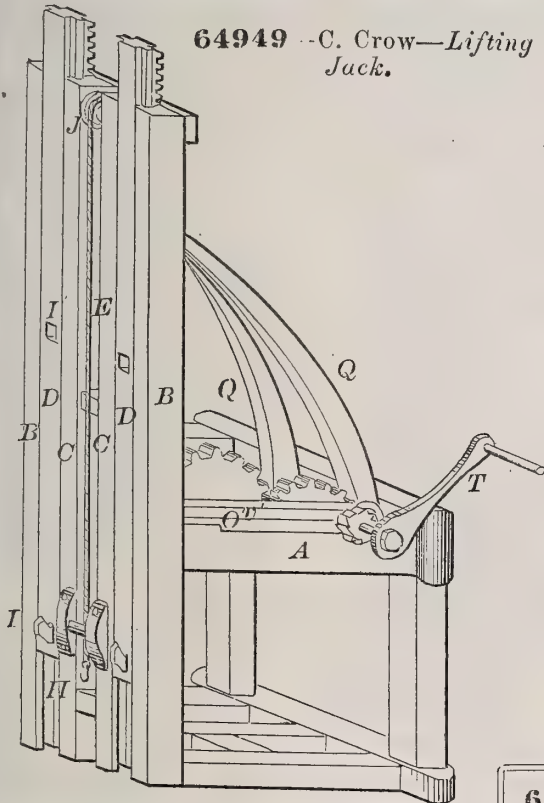
64952—L. De Forest—*Skirt Hoop.*



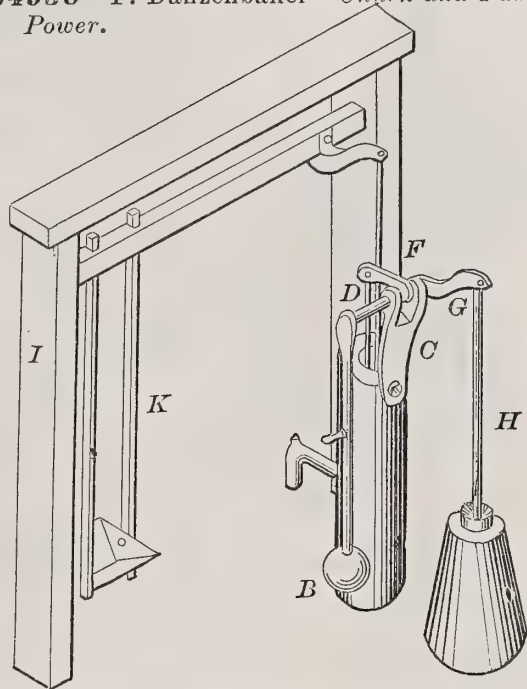
64953—C. Disston—*Saw.*



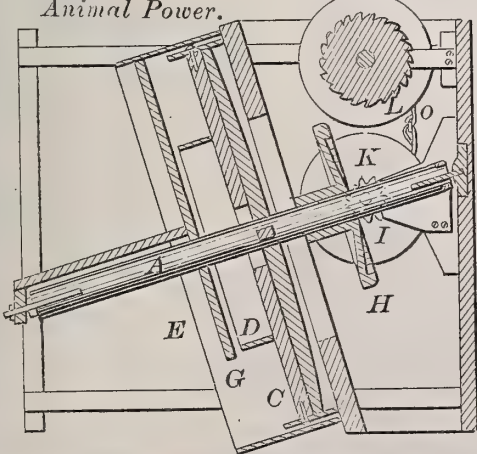
64949—C. Crow—*Lifting Jack.*



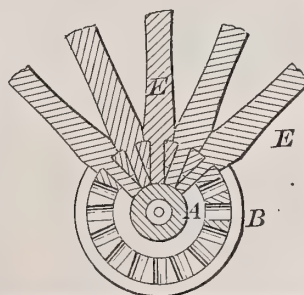
64950—F. Danzenbaker—*Churn and Pump Power.*



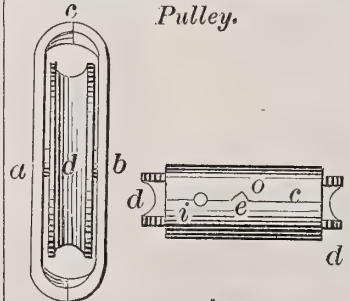
64951—J. Dearborn—*For Applying Animal Power.*



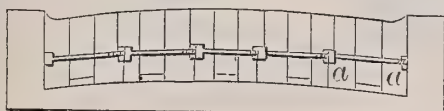
64955—L. Dorman—*Carriage Wheel Hub.*



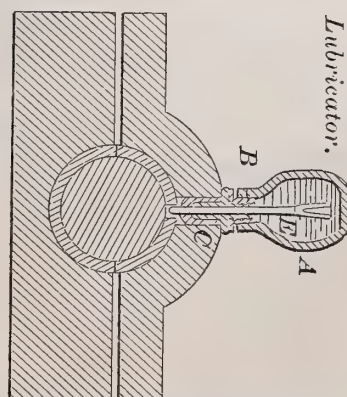
64957—S. Drum—*Sash Pulley.*



64959—H. Fayette—*Wooden Pavement.*



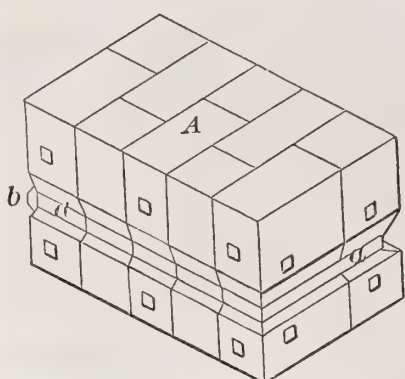
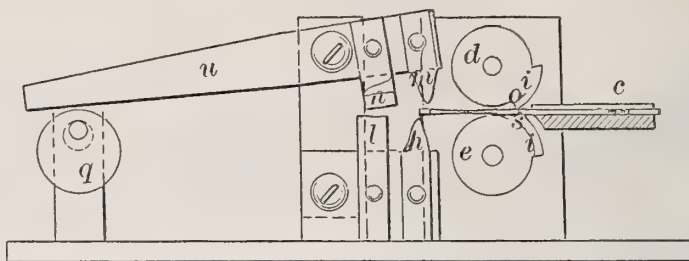
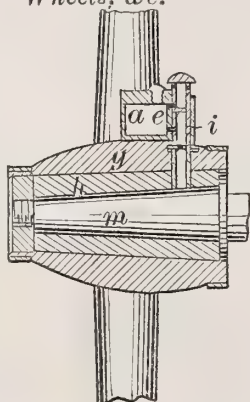
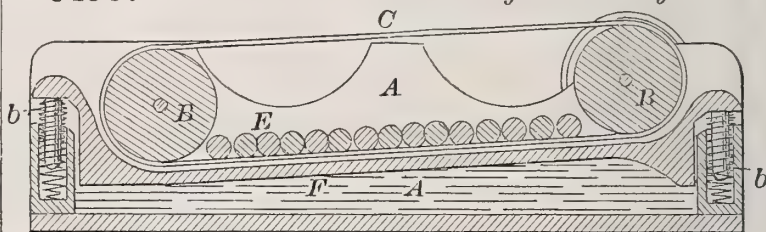
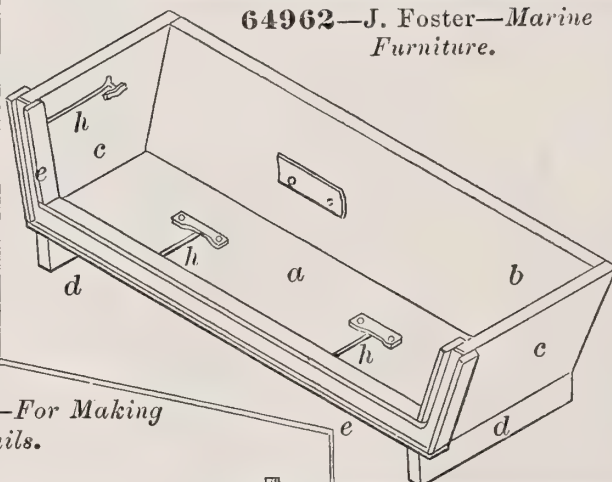
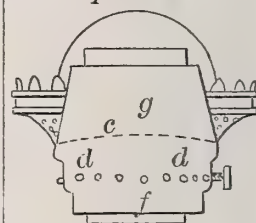
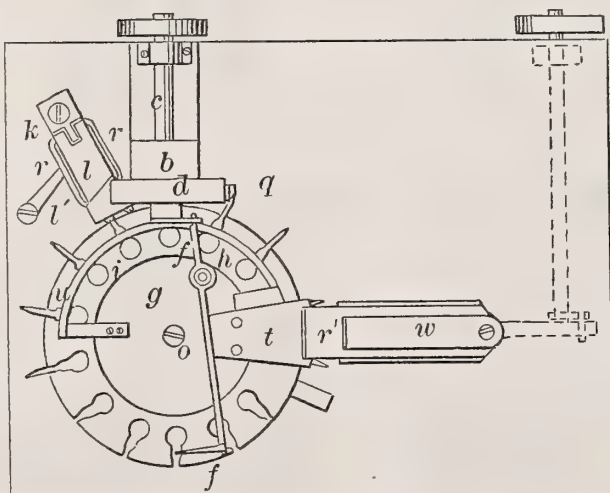
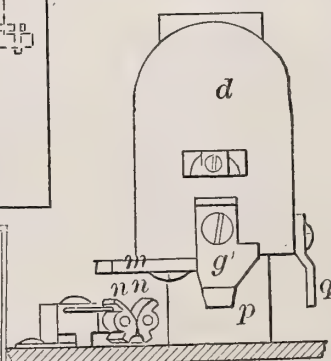
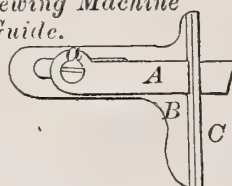
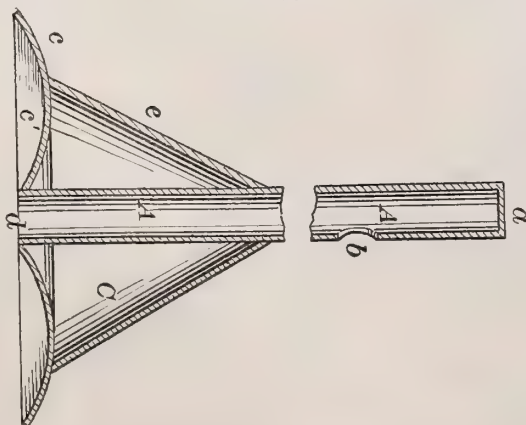
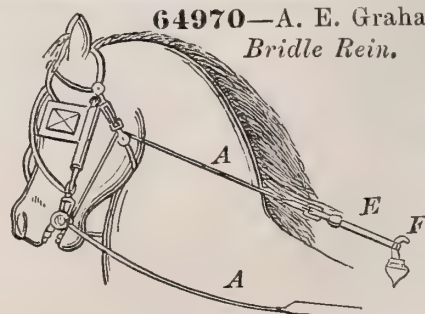
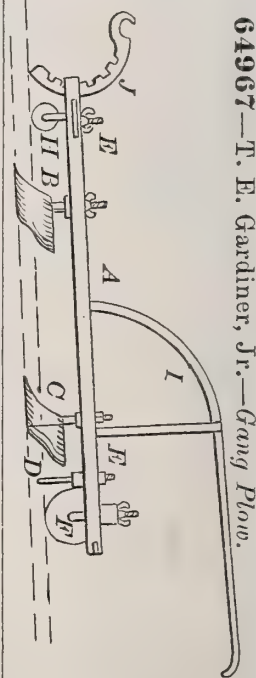
64956—L. Dreyfus—*Automatic Lubricator.*



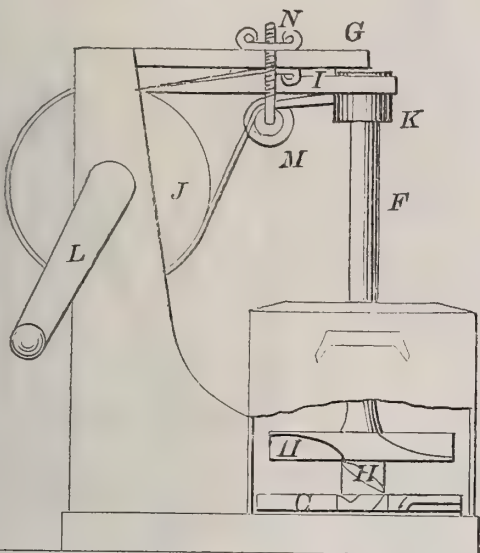
64958—S. W. Eaton—*Bearing for Friction Rollers.*



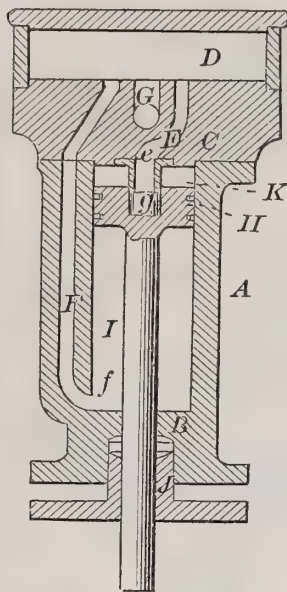


**64960**—H. Fayette—Wooden Pavement.**64963**—T. Fowler—For Making Nails.**64961**—J. C. Fish—For Lubricating Wheels, &c.**64967**—E. R. Gardiner—For Sizing and Felting Hats.**64962**—J. Foster—Marine Furniture.**64965**—J. A. Frey—Lamp Burner.**64964**—T. Fowler—For Making Horse Shoe Nails.**64968**—G. D. Garvie—Sewing Machine Guide.**64969**—J. C. Gaston—Atmospheric Churn Dasher.**64970**—A. E. Graham—Bridle Rein.**64967**—T. E. Gardiner, Jr.—Gang Plow.

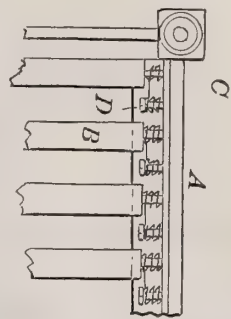
64971—A. W. Gray—*Churn.*



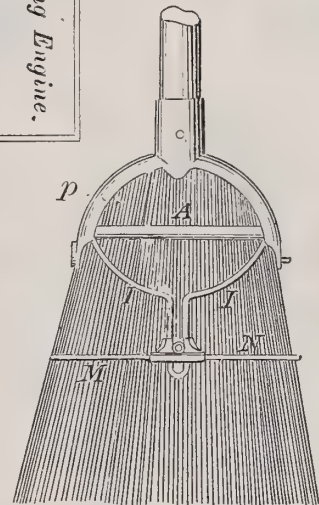
64972—W. D. Grimshaw—*Reciprocating Engine.*



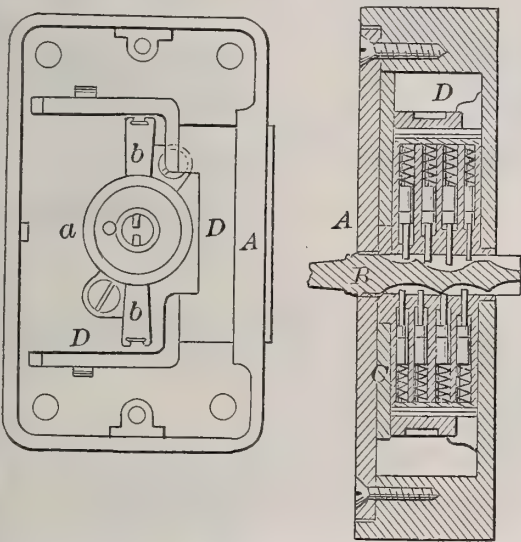
64973—C. H. Hall—*Bed Bottom.*



64979—W. G. Hughes—*Broom Head.*



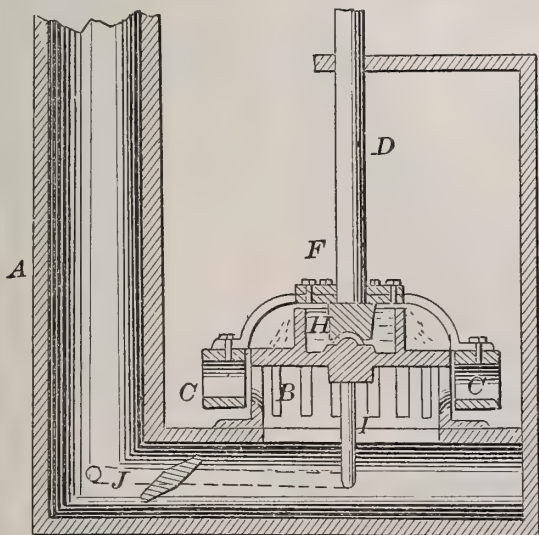
64975—W. I. & J. W. Harris—*Door Lock.*



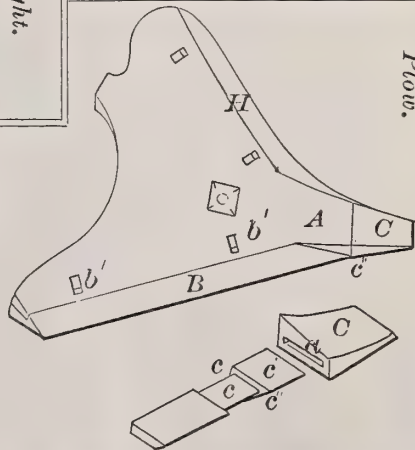
64976—H. A. Harvey—*Window Sash Weight.*



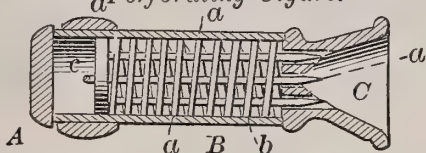
64977—B. Holly—*Turbine Water Wheel.*



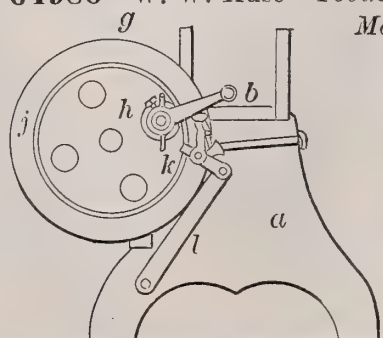
64974—H. G. & E. L. Hall—*Plow.*



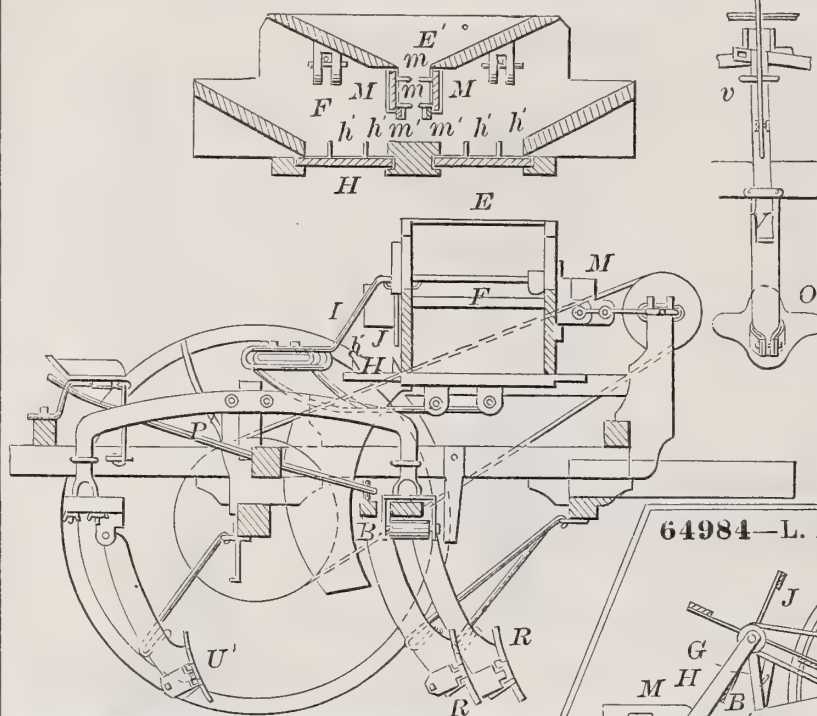
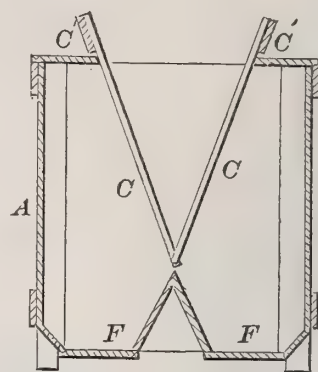
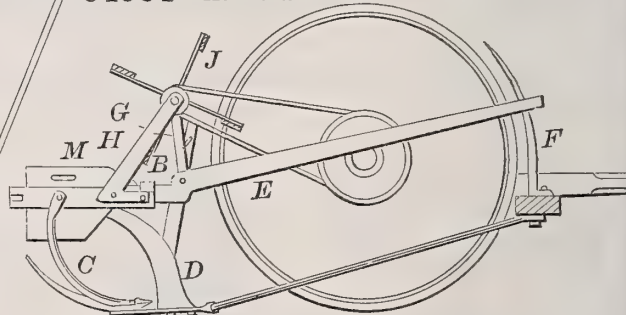
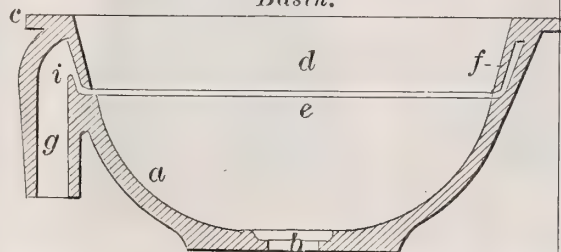
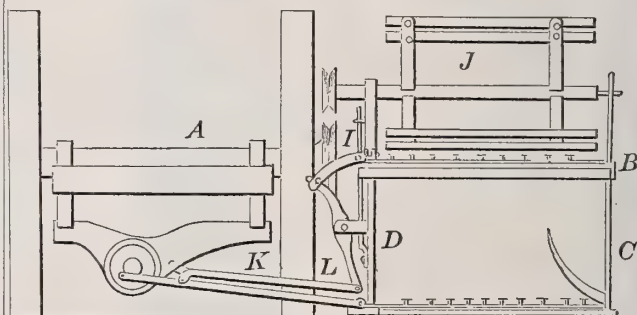
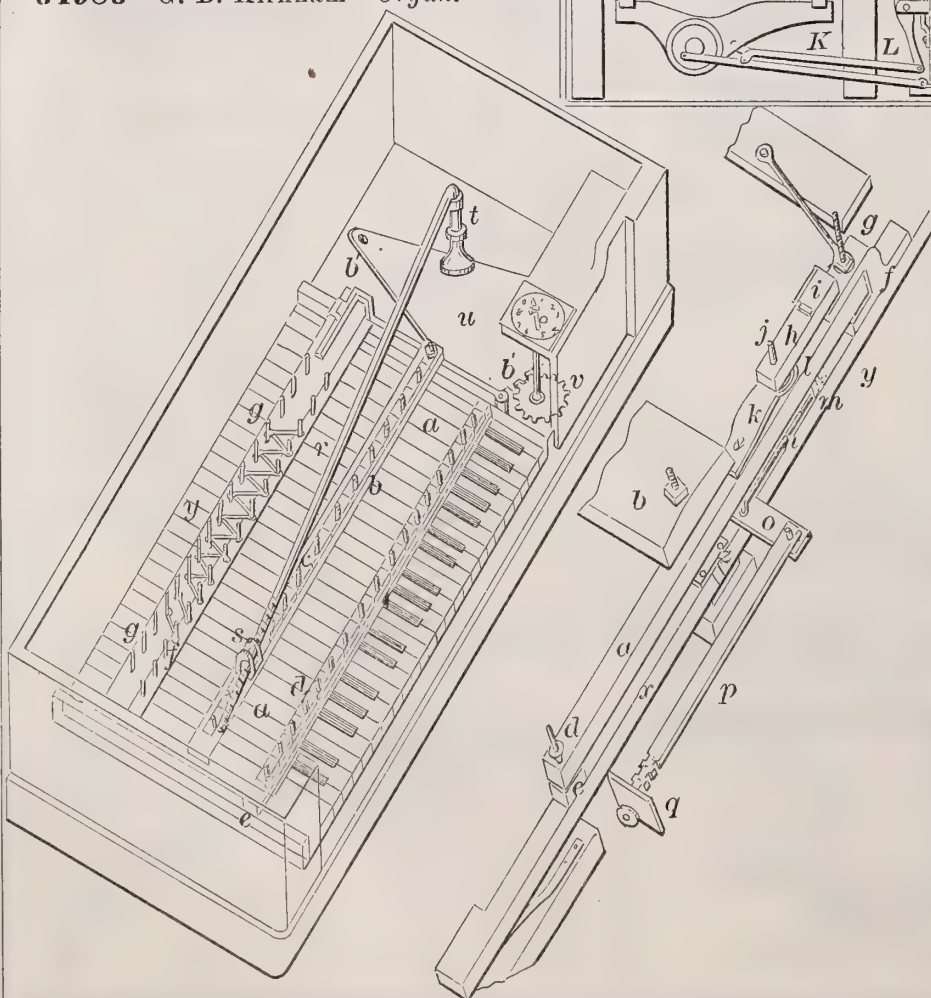
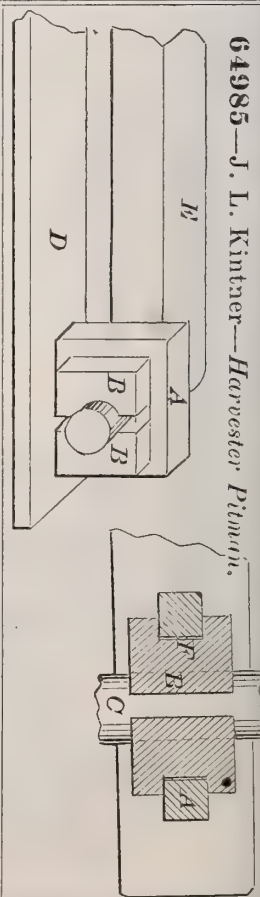
64978—Houghton & Wingfield—*For Perforating Cigars.*



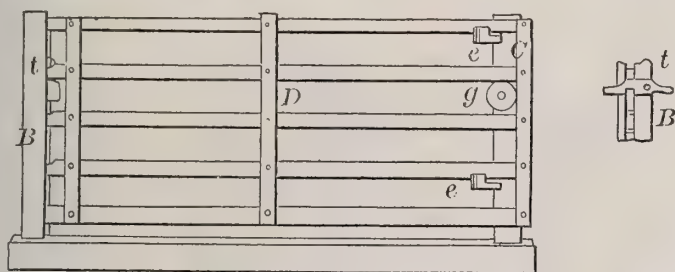
64980—W. W. Huse—*Tobacco Cutting Machine.*



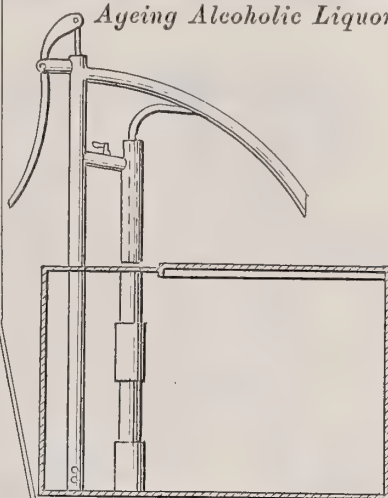


64981—H. Hutchison—*Seeding Cultivator.*64983—H. G. Ives—*Sheep Rack.*64984—L. A. & G. J. Jones—*Harvester.*64982—A. Ivers—*Stationary Wash Basin.*64986—G. B. Kirkham—*Organ.*64985—J. L. Kintner—*Harvester Pinion.*

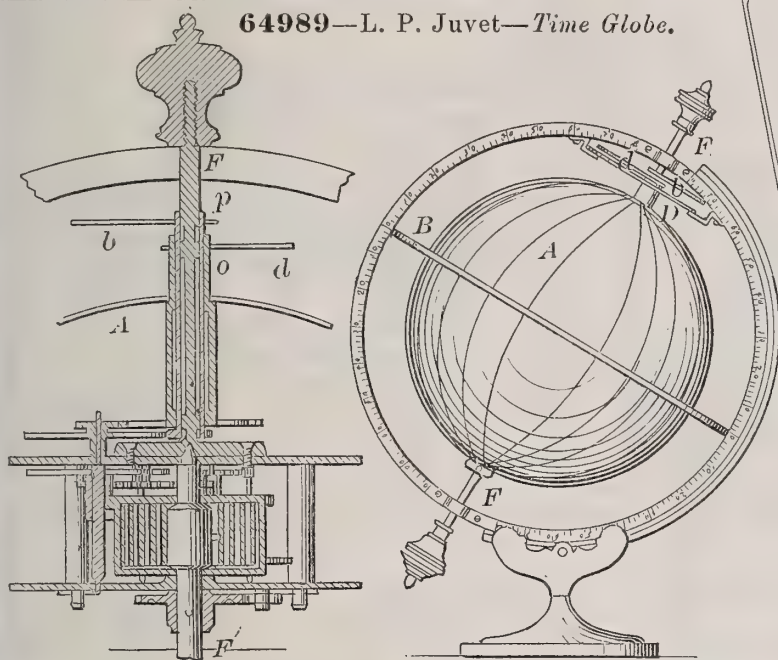
64987—A. Larrowe—*Gate.*



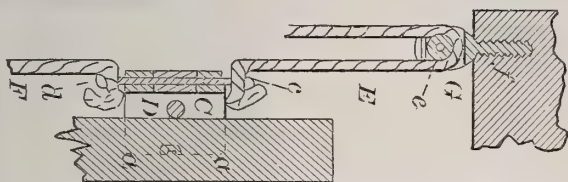
64990—J. L. Martin—*For Ageing Alcoholic Liquors.*



64989—L. P. Juvet—*Time Globe.*



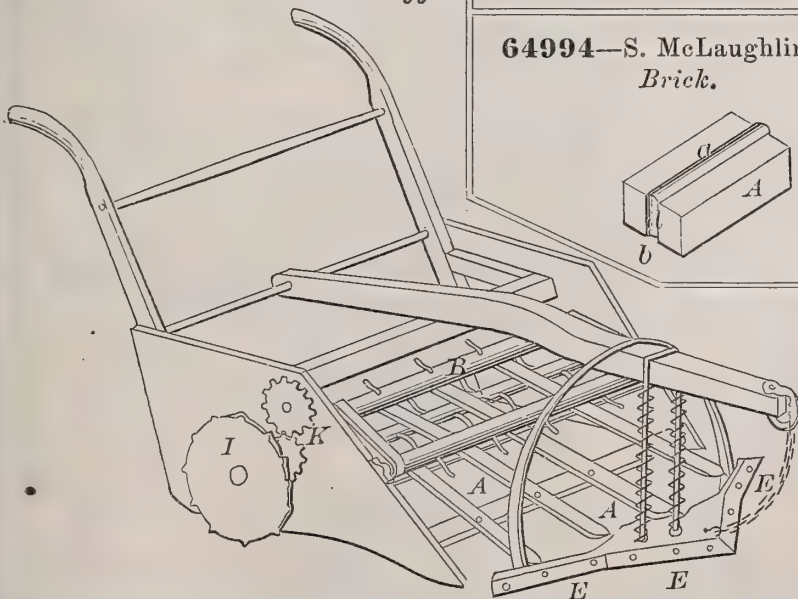
64988—J. Le Ferre—*Window Sash Elevator.*



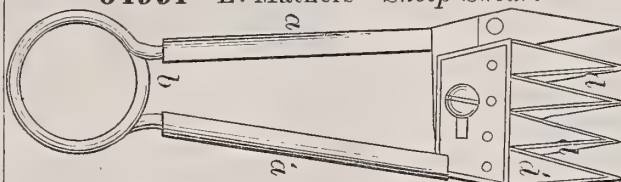
64995—W. H. Miller—*Packing for Stuffing Boxes.*



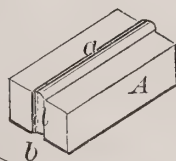
64996—A. Minnis—*Potato Digger.*



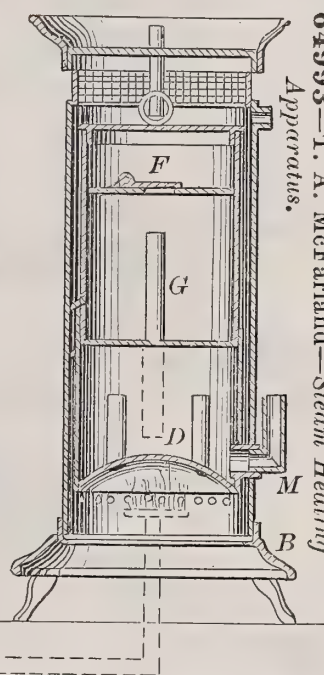
64991—E. Mathers—*Sheep Shears.*



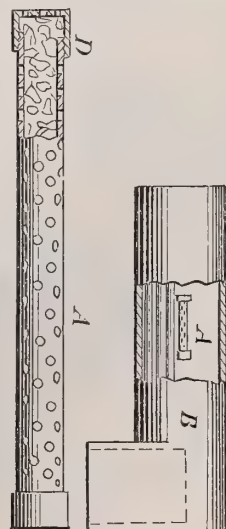
64994—S. McLaughlin—*Brick.*



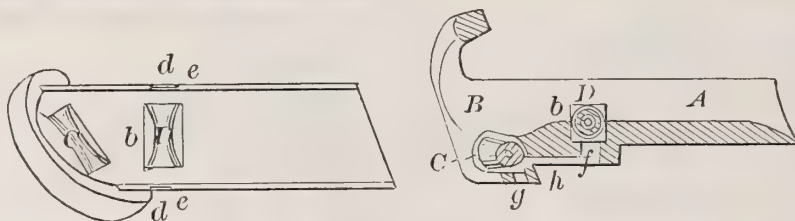
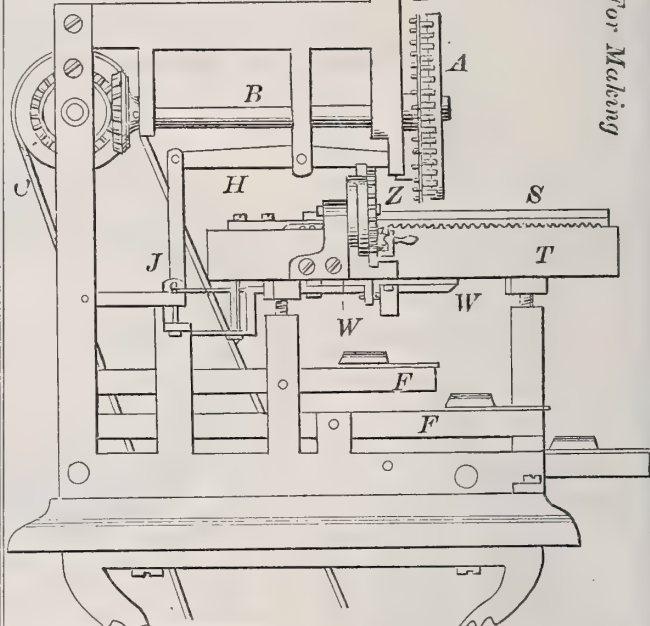
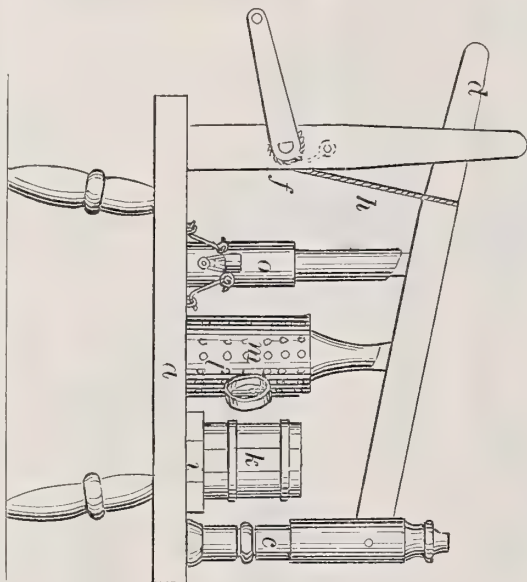
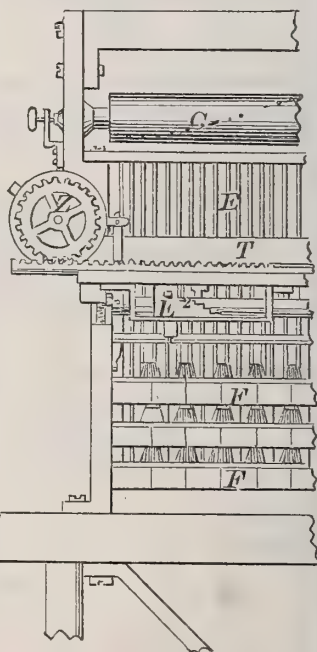
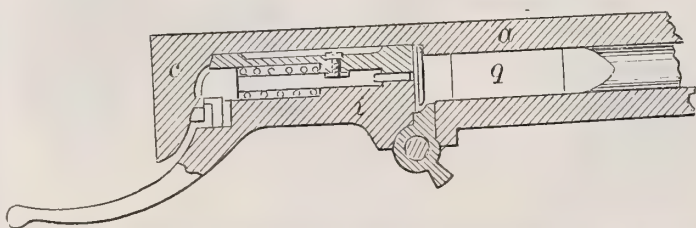
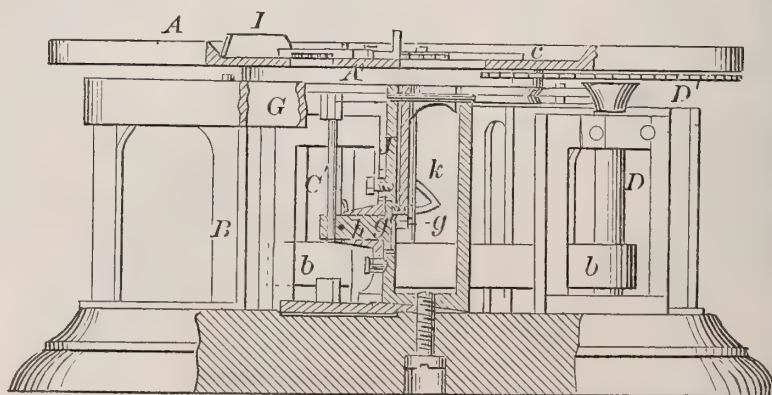
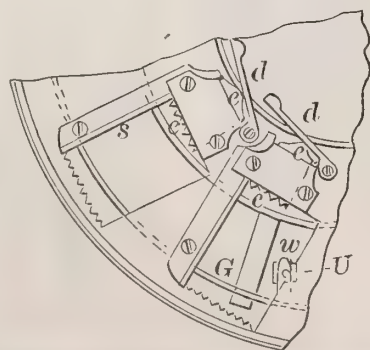
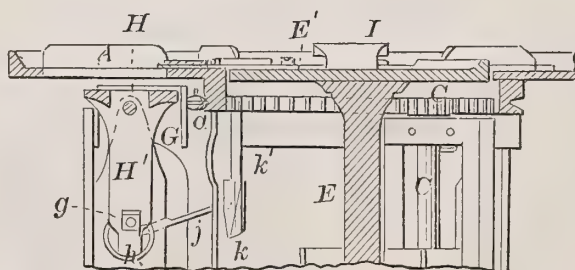
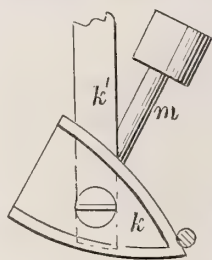
64993—T. A. McFarland—*Steam Heating Apparatus.*



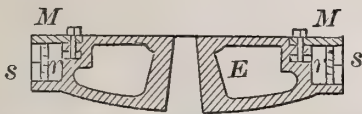
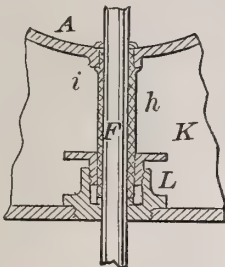
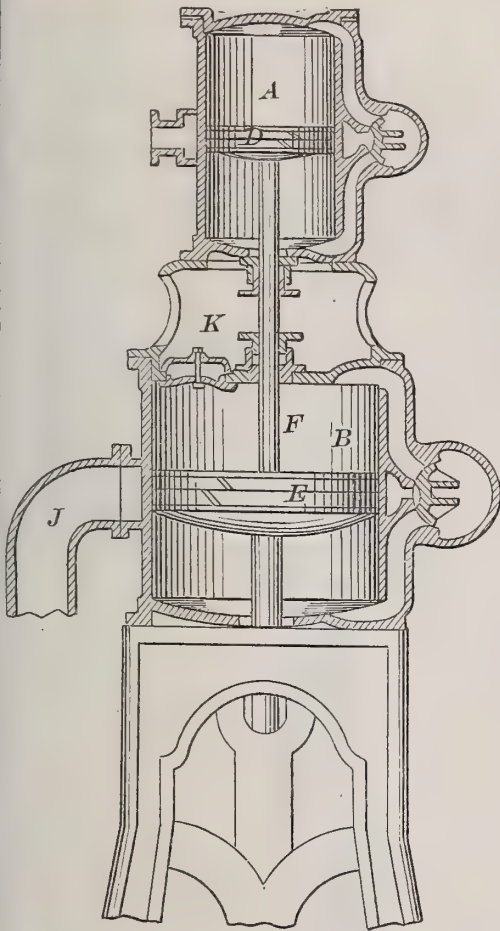
64992—D. Matthew—*For Preventing Incrustation of Steam Boilers.*



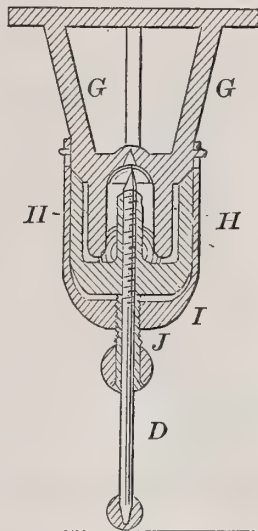
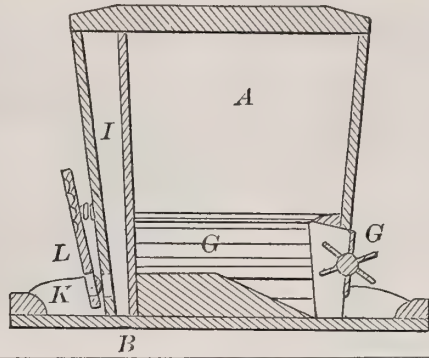


64997—P. Moody—*Hawse Pipe*.64998—C. C. Musselman—*Cheese Press*.64999—J. & G. H. Needham—*Breech-Loading Fire Arm*.65001—E. R. Osgood—*Shingle Machine*.65000—M. Nelson—*For Making Type Moulds*.

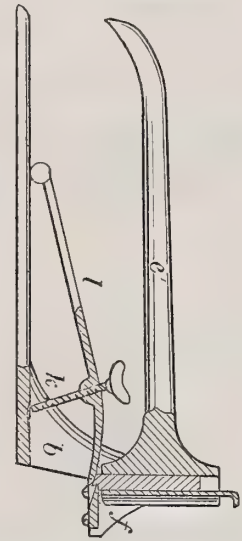
65003—Perry & Lay—*Steam Engine.*



65004—I. S. Pope—*Hog Feeder.*

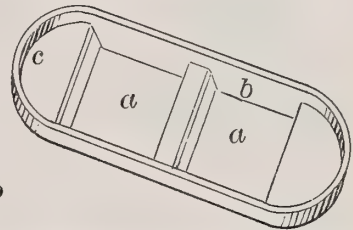
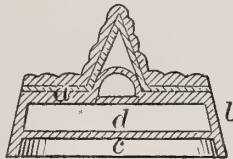


65005—Porter & Brown—*Vapor Burner.*

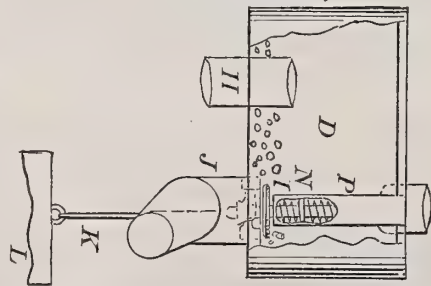


65006—E. L. Pratt—*For Cutting Tobacco.*

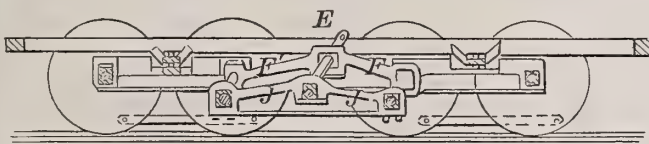
65007—S. F. Pratt—*Furniture for Vessels.*



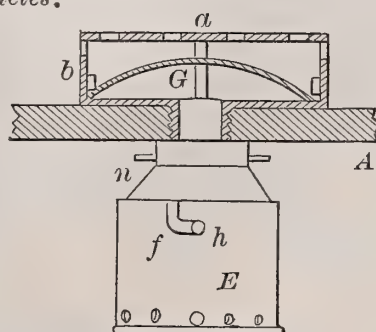
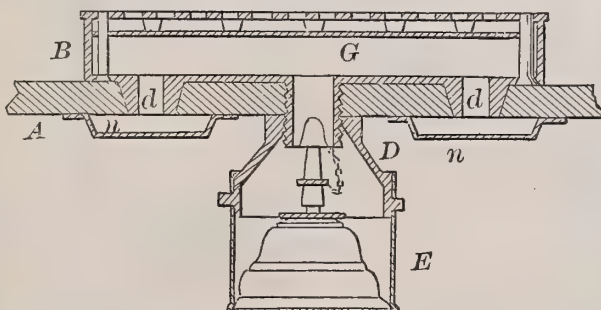
65009—H. Rensch—*Automatic Water Leader.*



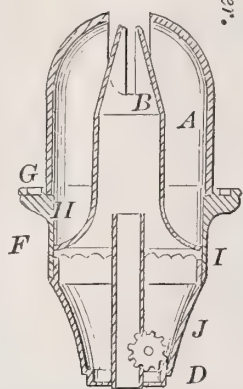
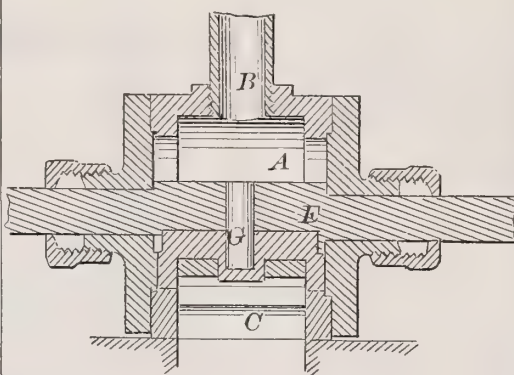
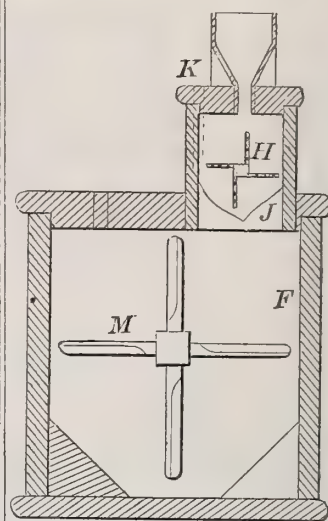
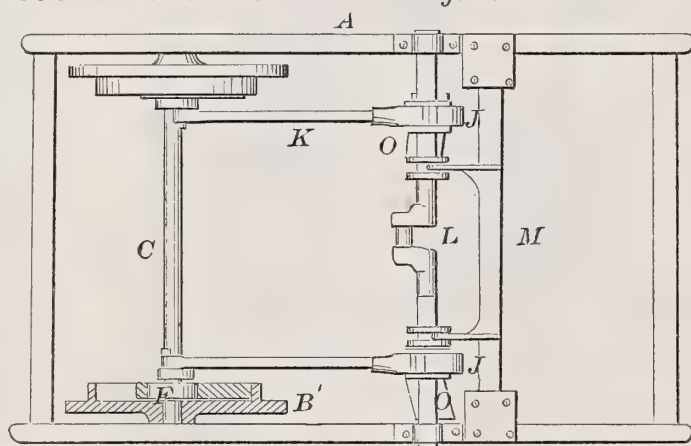
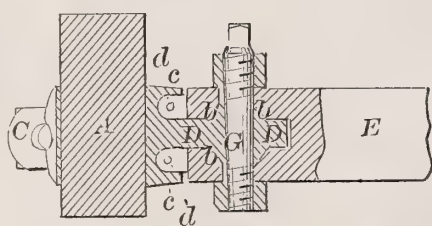
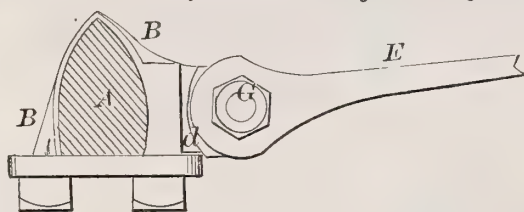
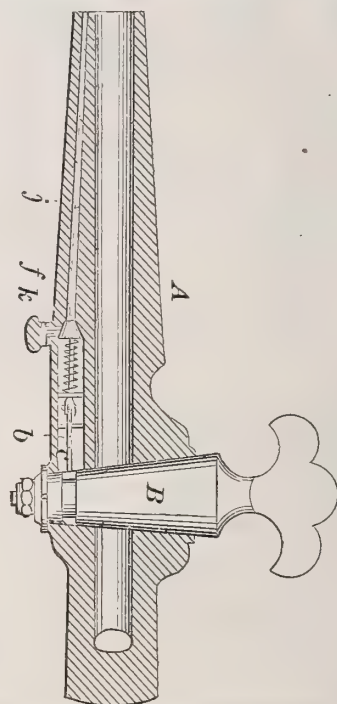
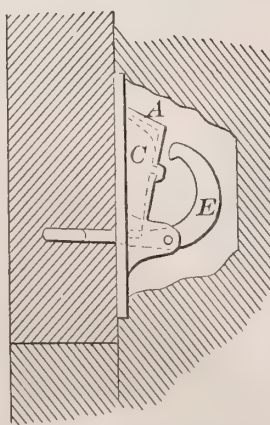
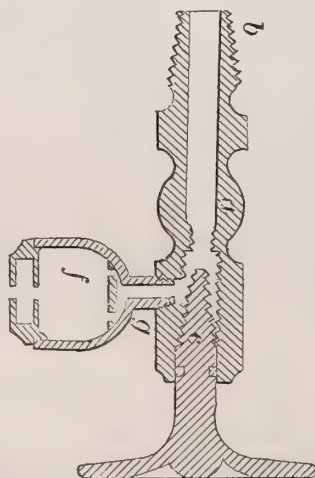
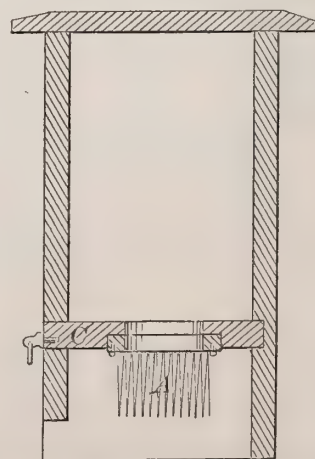
65008—L. Rarchaert—*Locomotive Engine.*



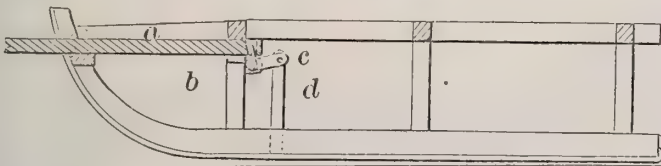
65010—E. H. Reynolds—*Lamp Heater for Vehicles.*



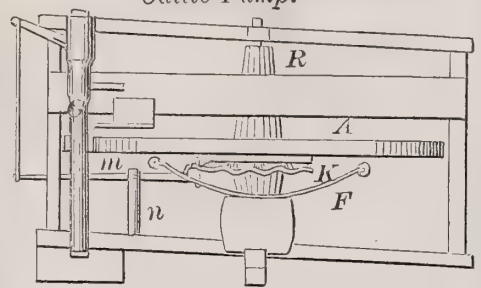


65011—H. M. Richmond—*Vapor Burner.*65013—J. B. Root—*Rotary Valve.*65014—W. W. Sanborn—*Churn.*65012—J. B. Root—*Traction Engine.*65017—G. Schreyer—*Attaching Carriage Thills.*65019—G. B. Simpson—*Insulating Submarine Cable.*65016—H. & J. Schild—*Vented Faucet.*65015—J. N. Sawtell—*Sash Support.*65018—T. Shaw—*Steam Generator Gauge Cock.*65020—N. Simpson—*Beehive.*

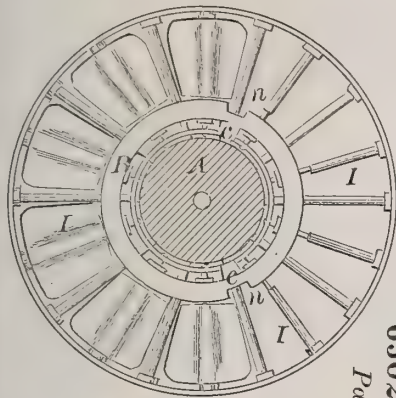
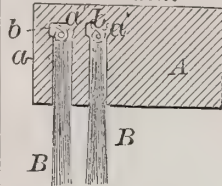
65021—H. Sipe—*Sleigh Brake.*



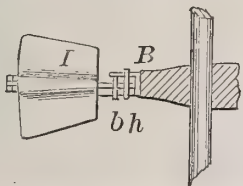
65026—H. W. Thornburg—*Cattle Pump.*



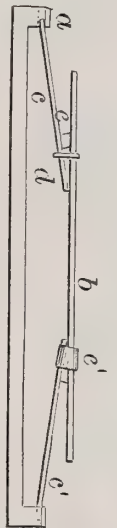
65029—  
A. M. White—*Brush.*



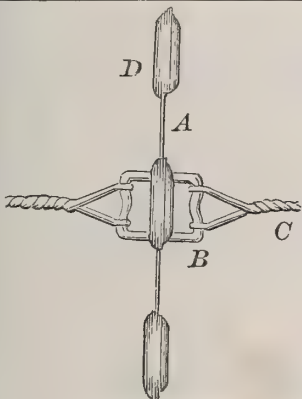
65023—E. Spencer—*Paddle Wheel.*



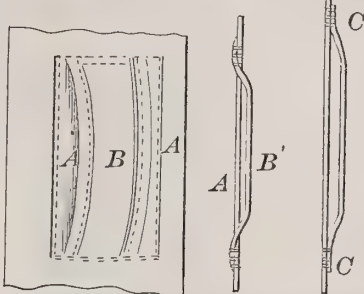
65028—C. Weed—*Bed Bottom.*



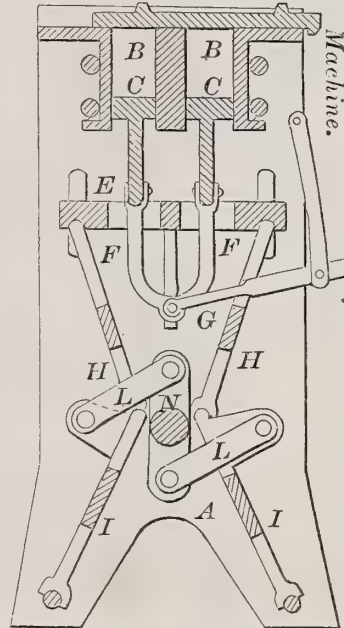
65022—G. W. Sizer—*Toy.*



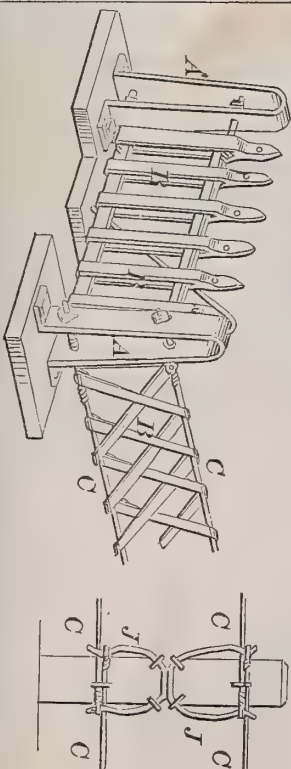
65027—W. J. Turner—*Boot and Gaiter Strap.*



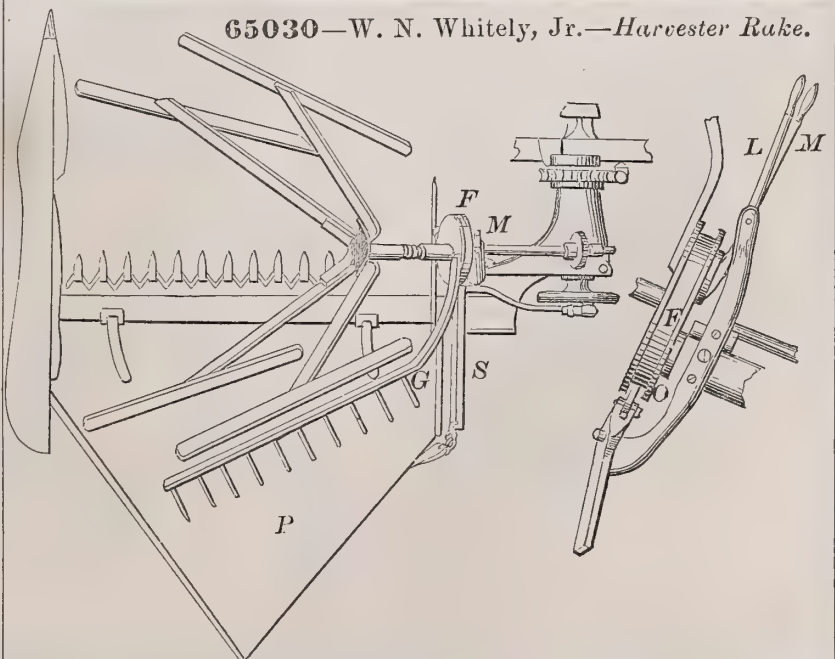
65024—Stewart & Windsor—*Concrete Brick Machine.*



65025—J. Thomas—*Fence.*

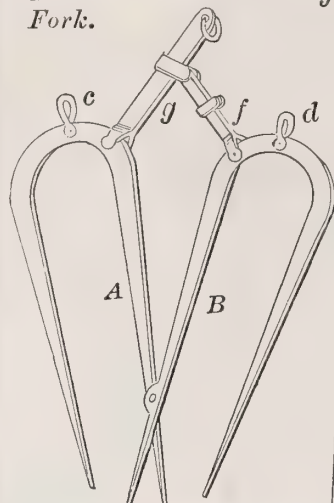


65030—W. N. Whitely, Jr.—*Harvester Rake.*

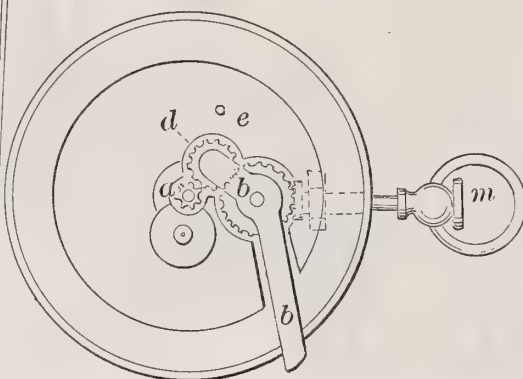




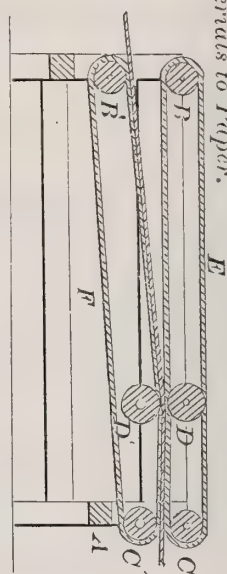
**65031**—Winsler, Campbell & Hardman—*Horse Hay Fork.*



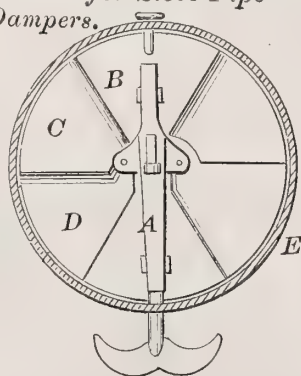
**65034**—C. V. Woerd—*Watch.*



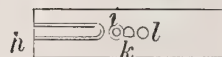
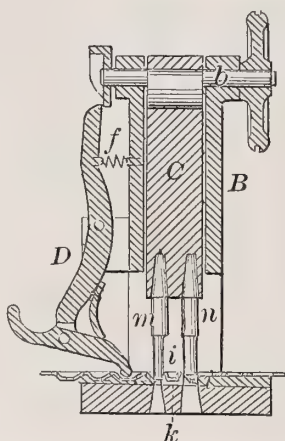
**65038**—W. Adamson—*For Securing Pulverized Materials to Paper.*



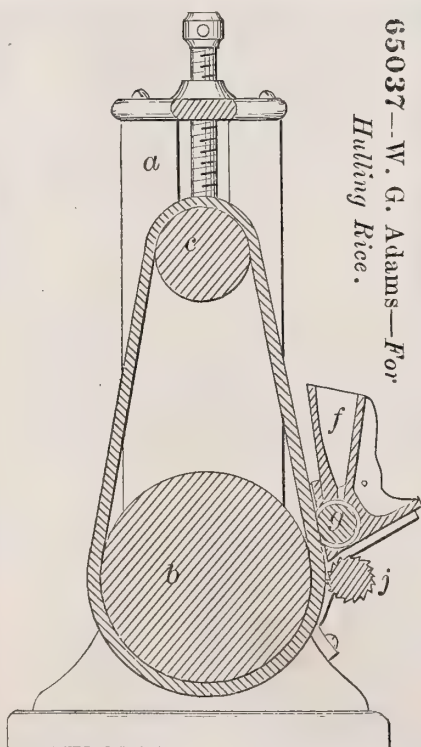
**65033**—G. B. Wiseman—*Valve for Stove Pipe Dampers.*



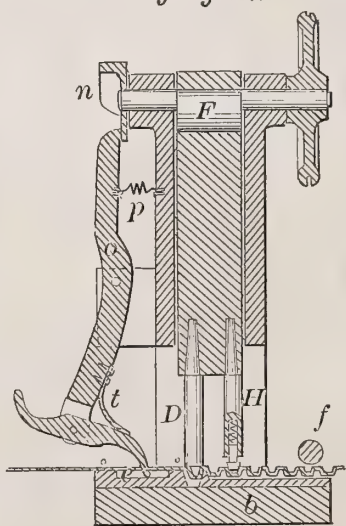
**65035**—S. W. Young—*For Making Eyelets.*



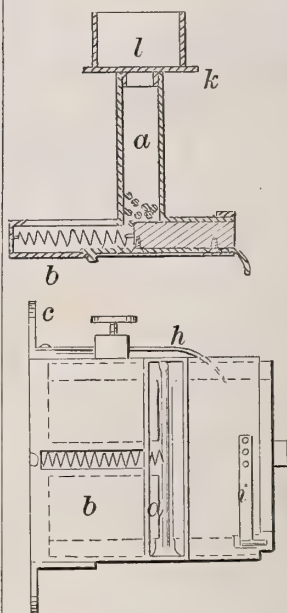
**65037**—W. G. Adams—*For Huling Rice.*



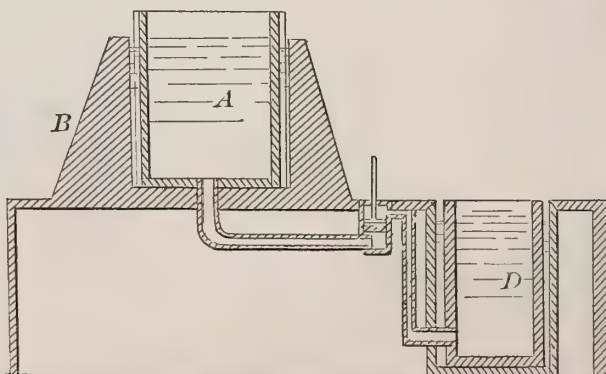
**65036**—S. W. Young—*For Making Eyelets.*



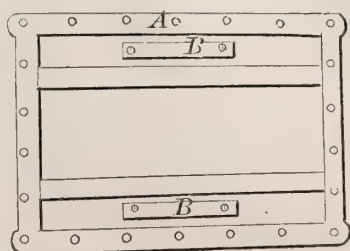
**65041**—C. A. Babcock—*Match Safe.*



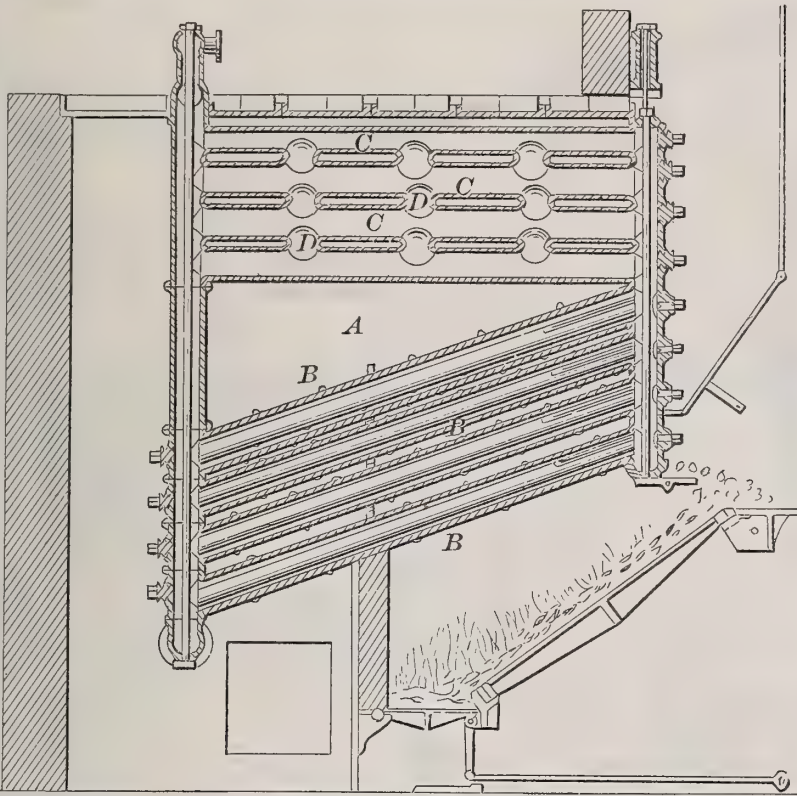
**65040**—P. Andrew—*Tank for Storage of Petroleum.*



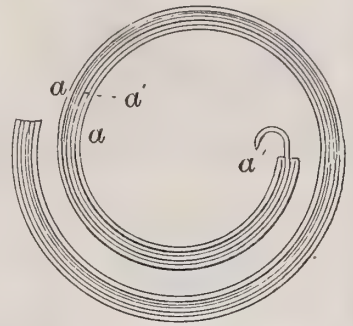
**65039**—J. H. Aldrich—*Wagon Body.*



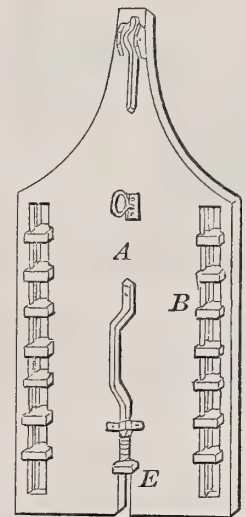
65042—Babcock & Wilcox—*Steam Generator.*



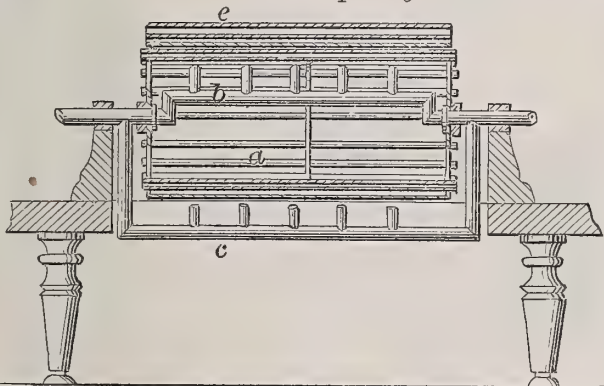
65046—W. Barnes—*Tempering Springs.*



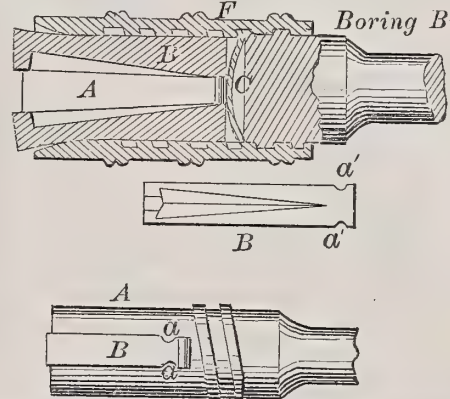
65048—W. L. Beardsley—*Lathing Apparatus.*



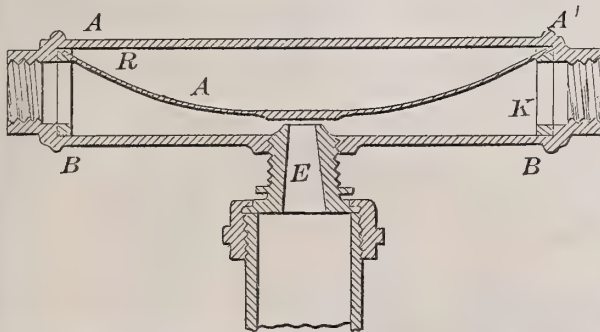
65043—T. W. Ball—*Tempering Umbrella Ribs.*



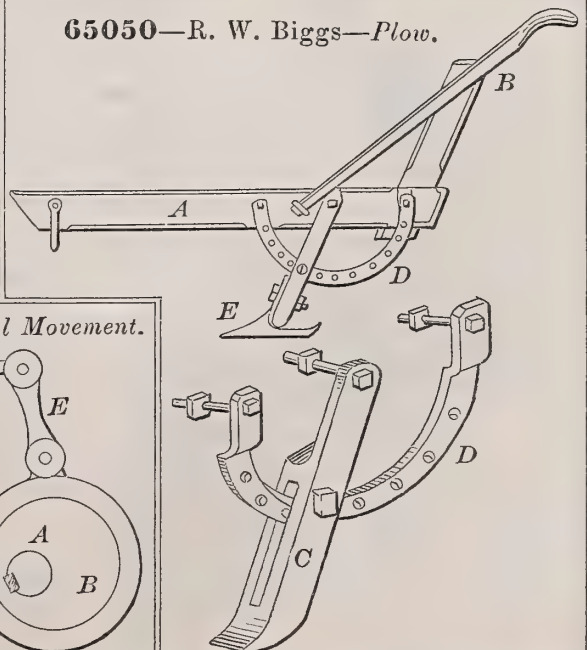
65046—H. S. Bartholomew—*Brace for Boring Bits.*



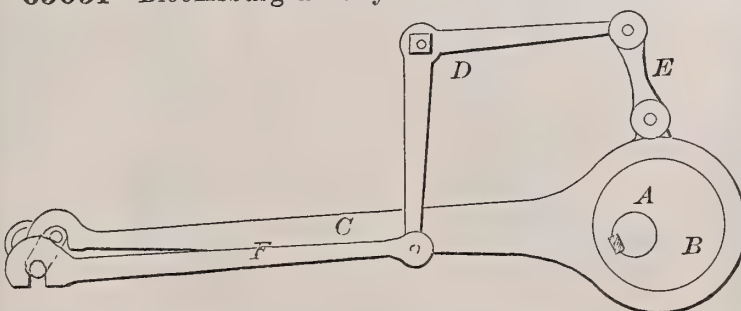
65047—H. W. Bartol—*Steam Trap.*



65050—R. W. Biggs—*Plow.*

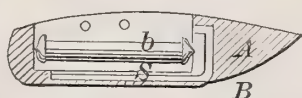


65051—Bloomsburg & Molyneux—*Mechanical Movement.*

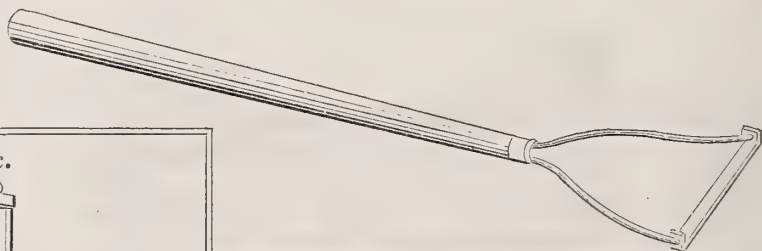




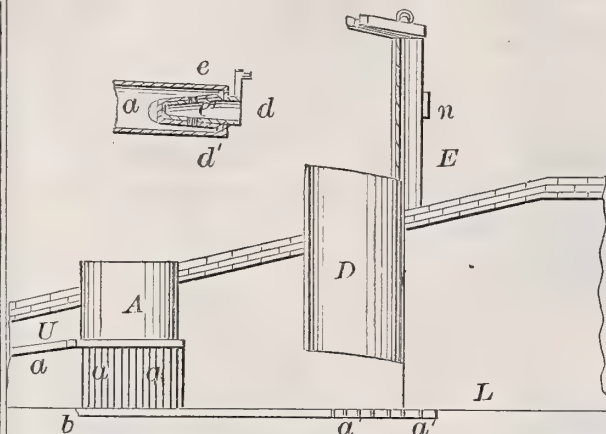
**65052**—Booth & Davis—*Sewing Machine Shuttle.*



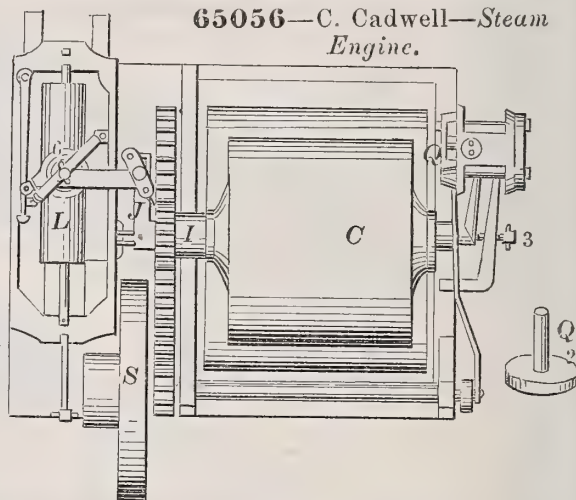
**65053**—J. H. Brewer—*Garden Hoe.*



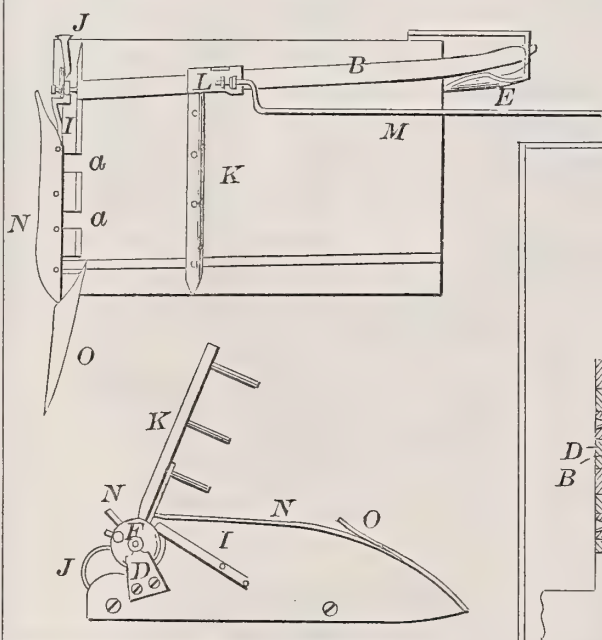
**65054**—J. Burt—*Canal Lock.*



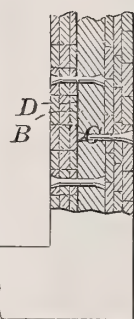
**65056**—C. Cadwell—*Steam Engine.*



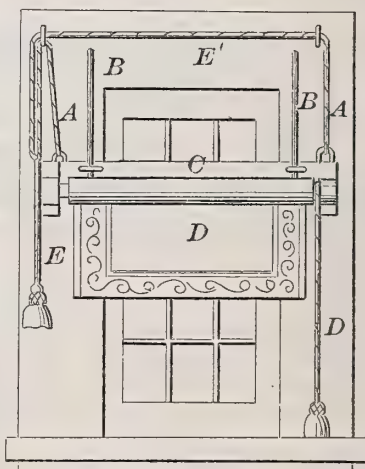
**65059**—F. E. Cook—*Harvester Rake.*



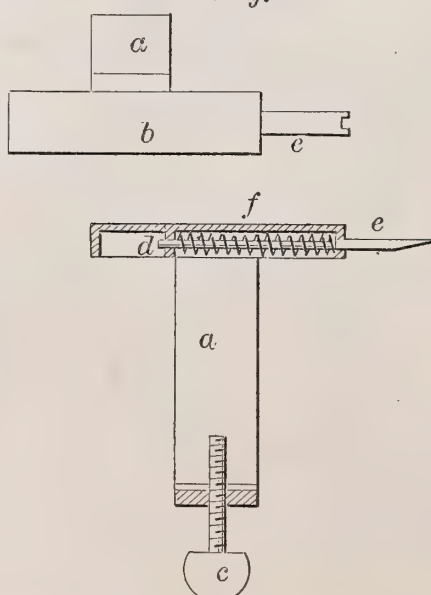
**65055**—W. H. Butler—*Fireproof Safe.*



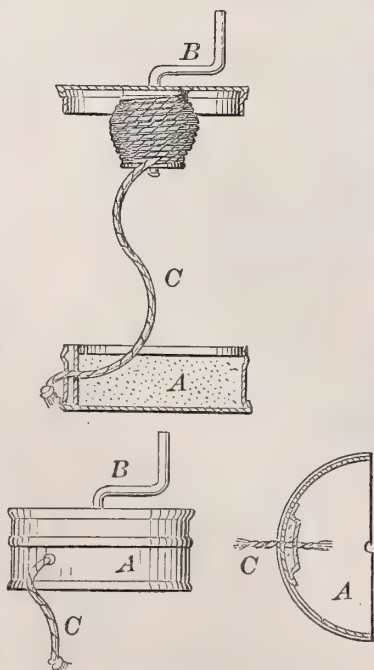
**65058**—M. Converse—*Curtain Fixture.*



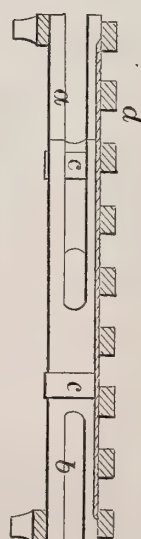
**65060**—C. T. Crane—*Bench Hook or Dog.*



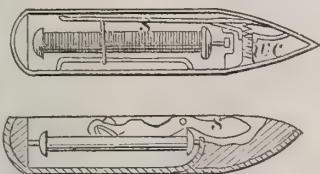
**65057**—J. W. Carter—*Chalk Line Marker.*



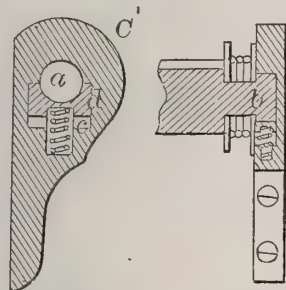
**65061**—C. Croley—*Bed Bottom.*



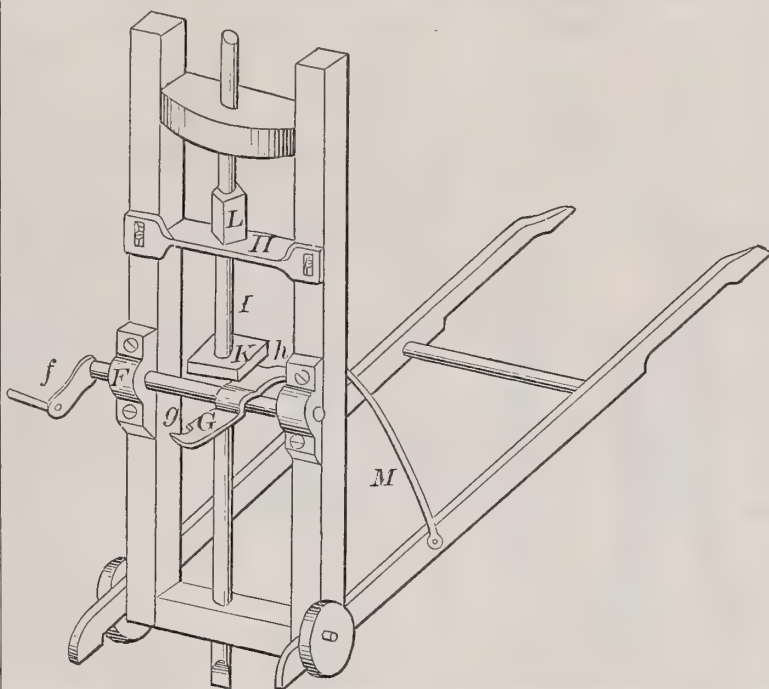
**65062—J. A. Davis—**  
*Sewing Machine Shuttle.*



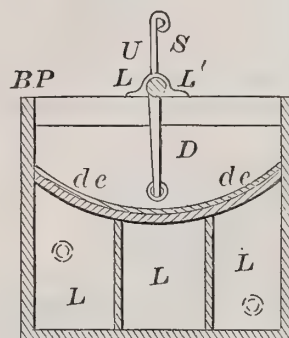
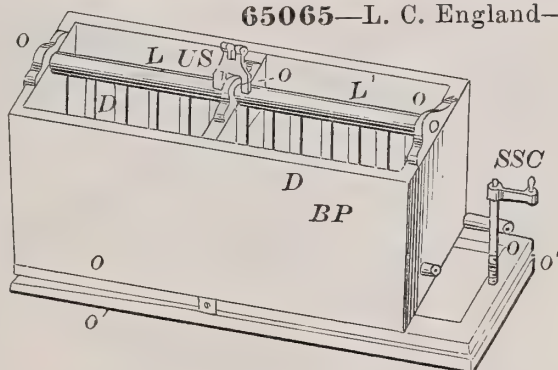
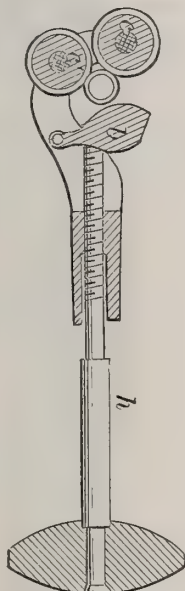
65067—C. II. Fowler—  
*Curtain Fixture.*



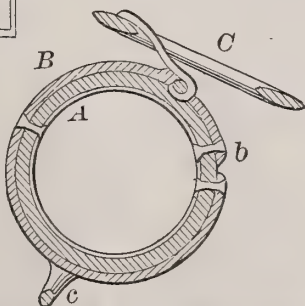
65064—D. S. Early—*Rock Drill.*



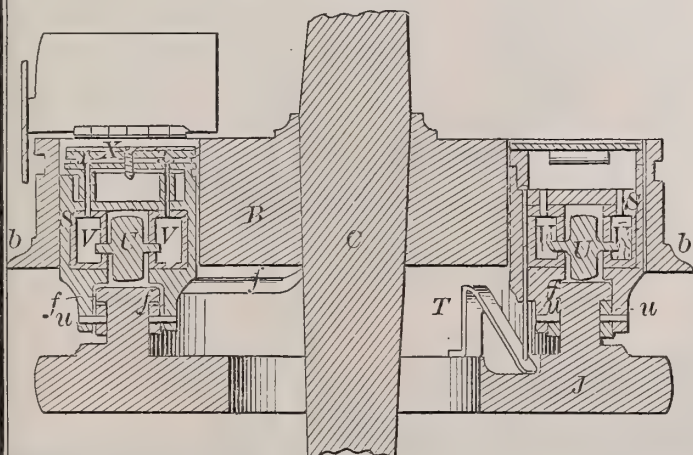
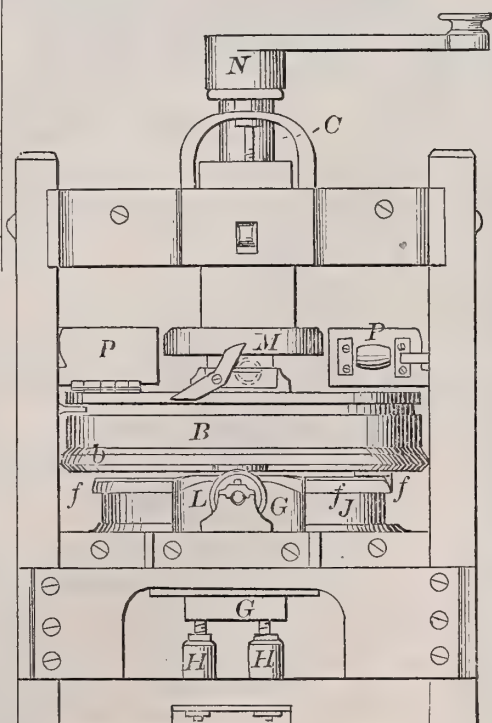
**65065**—L. C. England—*For Evaporating Liquids.*

65055—T. S. Foster—*Pine Cutters*.

65068—K. Frazer—  
*Shaft Tug.*

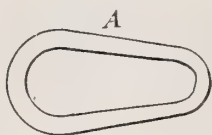


65069—E. R. Gard—*Brick Press.*

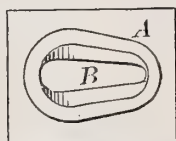
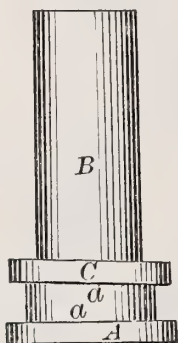




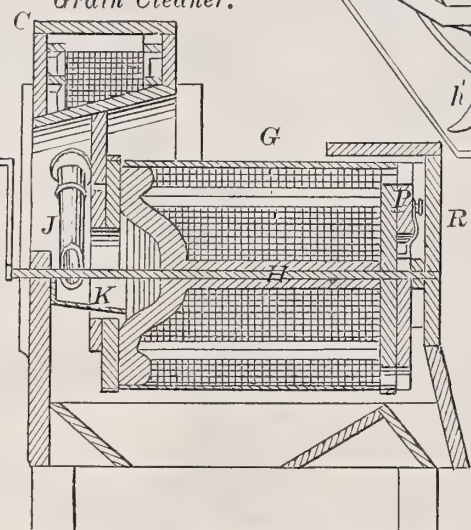
**65070**—J. H. Greenleaf—  
*Forming the Edges of  
Waterproof Soles.*



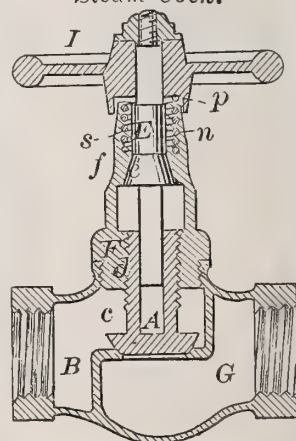
**65071—J. H. Greenleaf—Forming the Edges of  
Waterproof Soles.**



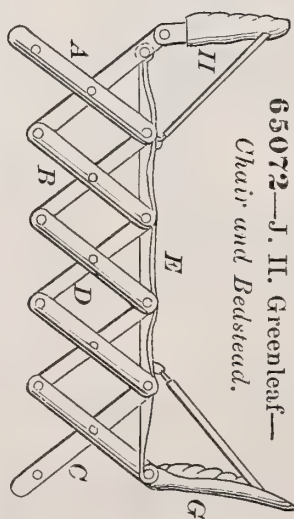
**65074—J. A. Hall—**  
*Grain Cleaner.*



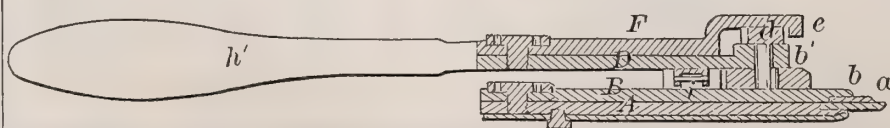
**65075**—A. Hallowell—  
*Steam Cock.*



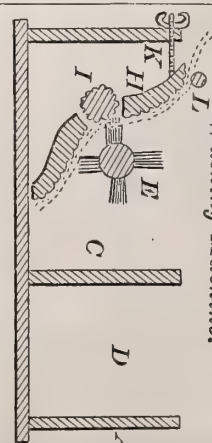
65072—J. H. Greenleaf—  
*Chair and Bedstead.*



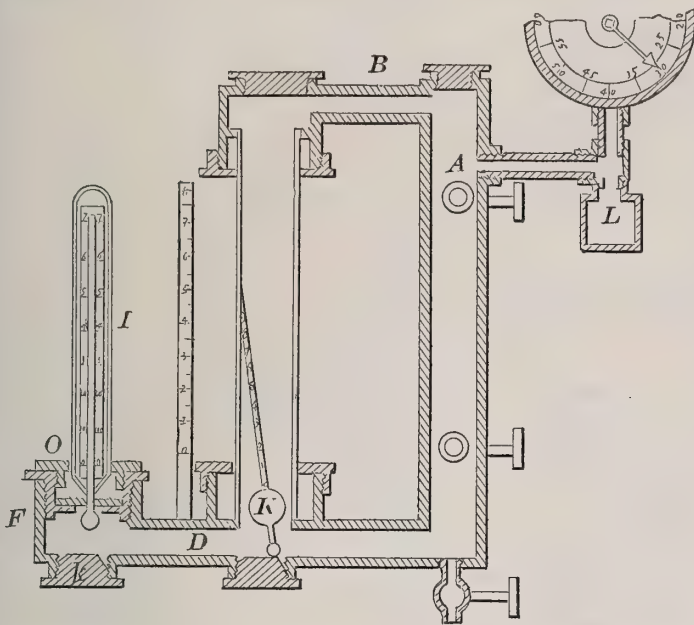
**65077**—Harlow & Perry—*For Cutting  
Hair, Grass, &c.*



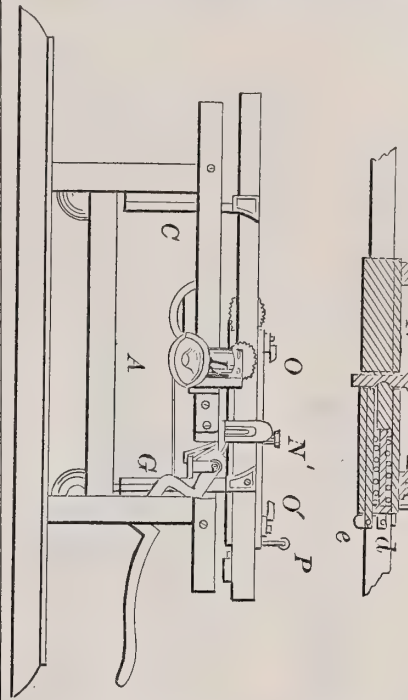
55076—W. H. Hanson—  
Washing Machine.



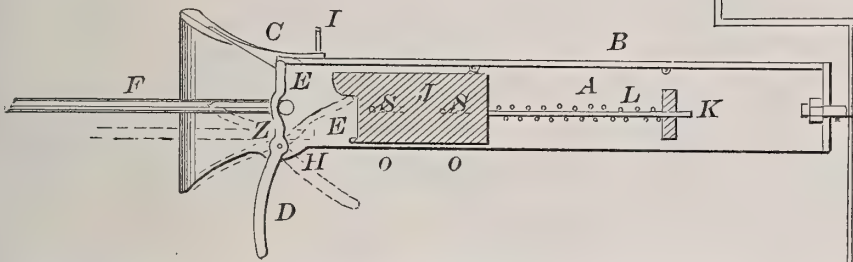
65078—W. Hart—*Indicating Apparatus for Stills.*



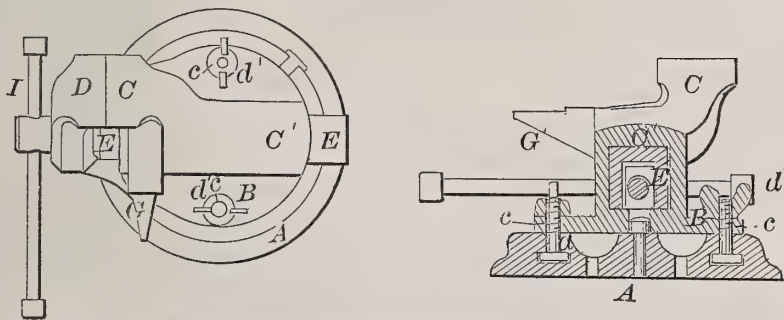
65080—G. R. Hay—*For Joining Staves.*



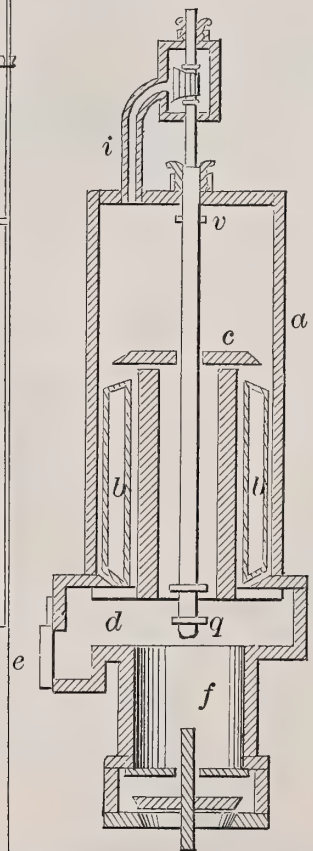
65079—A. Hartman—*Car Coupling.*



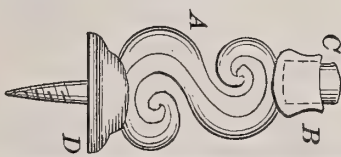
65081—J. S. Hoar—*Vise.*



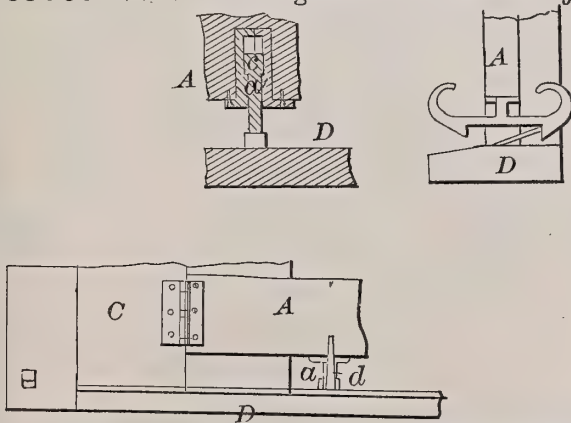
65082—W. L. Home—*Steam Water Elevator.*



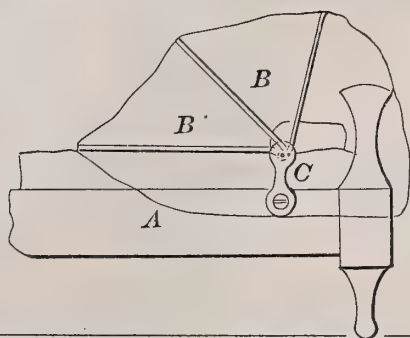
65083—G. W. Hunt—*Door Stop.*



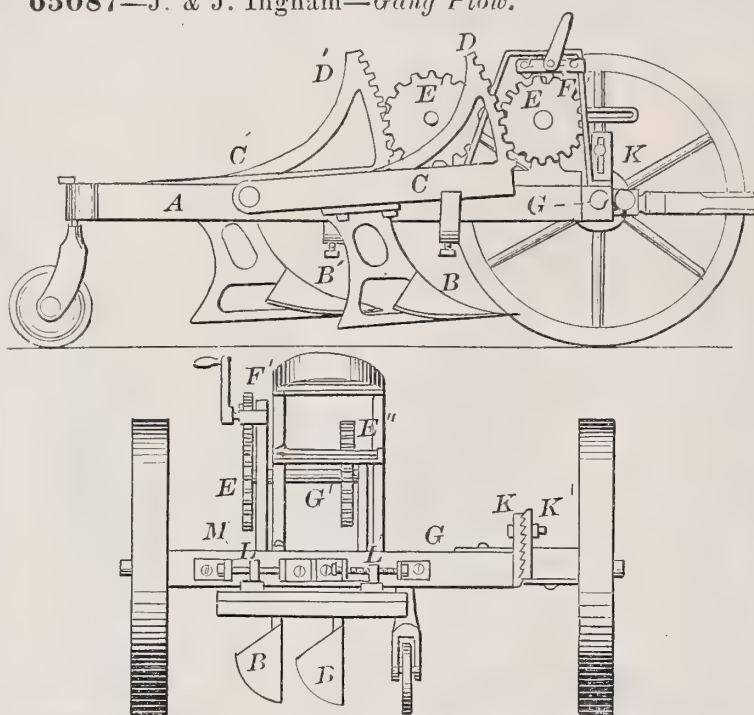
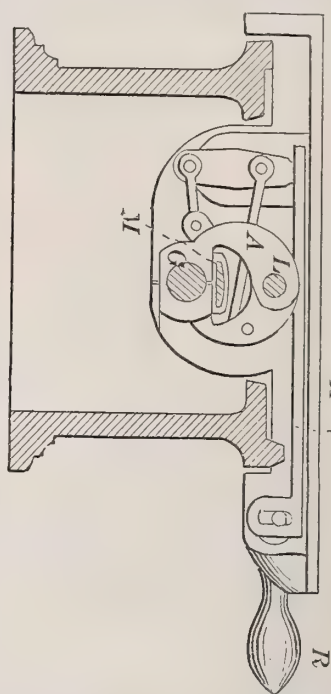
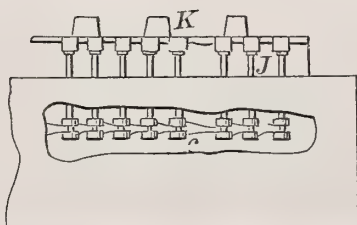
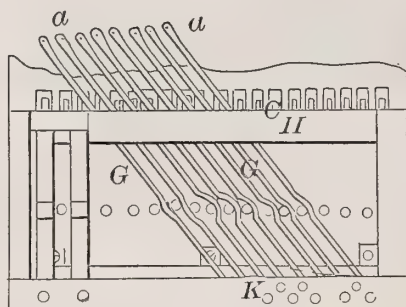
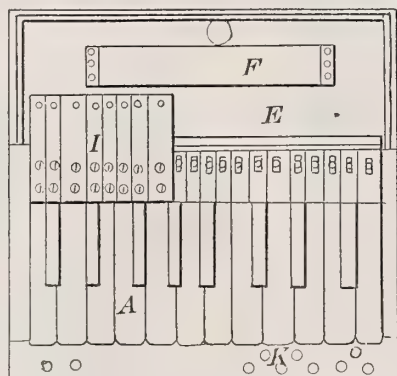
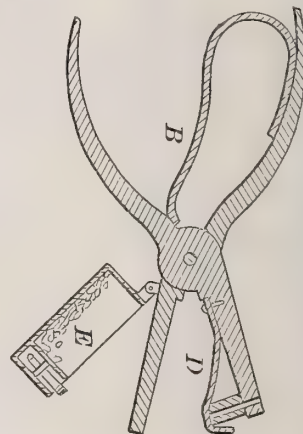
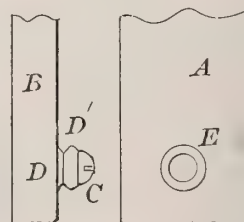
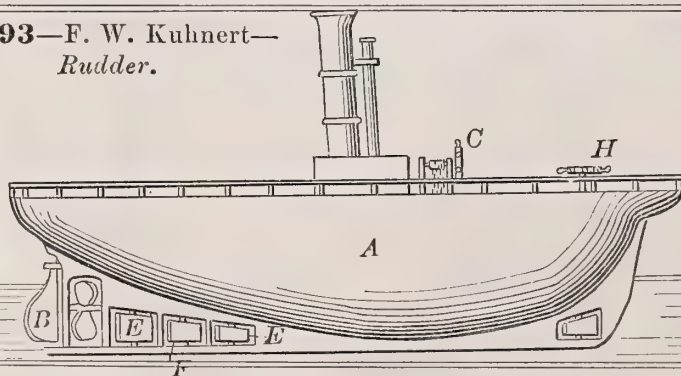
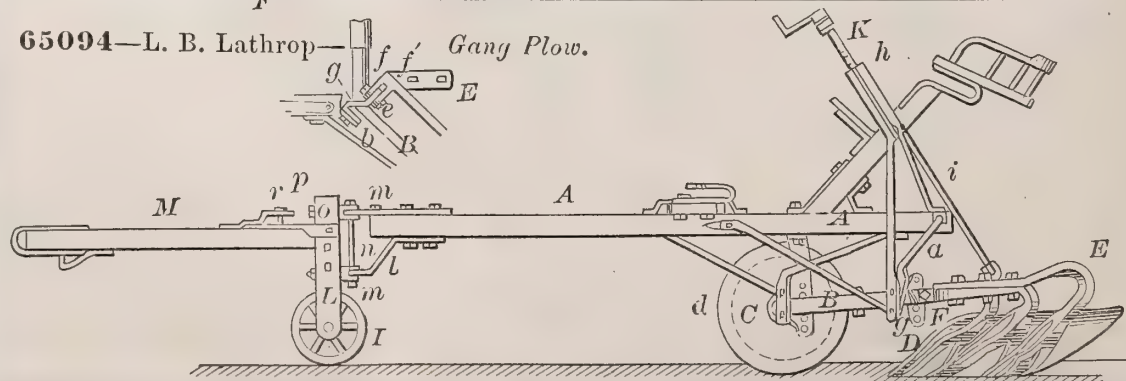
65086—S. W. Huntington—*Blind Fastening.*



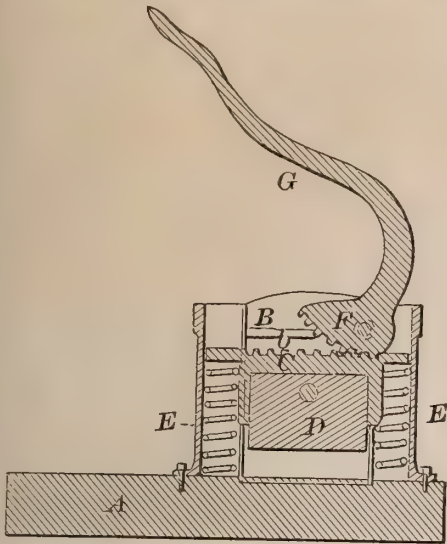
65085—J. S. Hunter—*Mosquito Bar.*



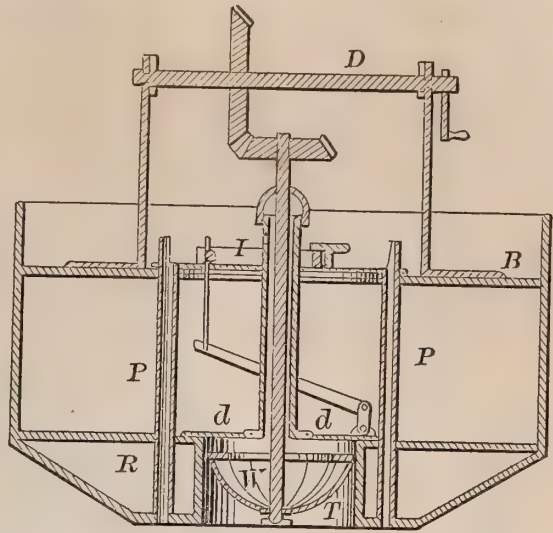


65087—J. & J. Ingham—*Gang Plow.*65089—W. Johnson—*Turning Lathe.*65088—S. A. Jewett—*Melodeon.*65090—R. J. Kellett—*Punch for Car Tickets.*65091—T. E. King—*Elastic Button for Carriages.*65093—F. W. Kuhnert—*Rudder.*65094—L. B. Lathrop—*Gang Plow.*

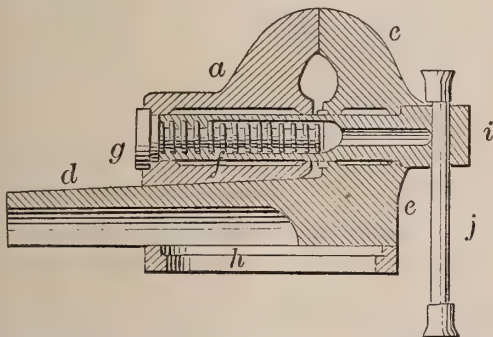
65095—N. W. Lec—*Tobacco Cutter.*



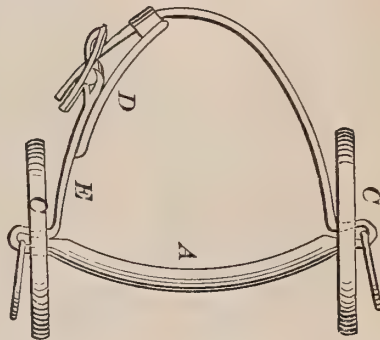
65099—C. F. Martorana—*Centrifugal Pump.*



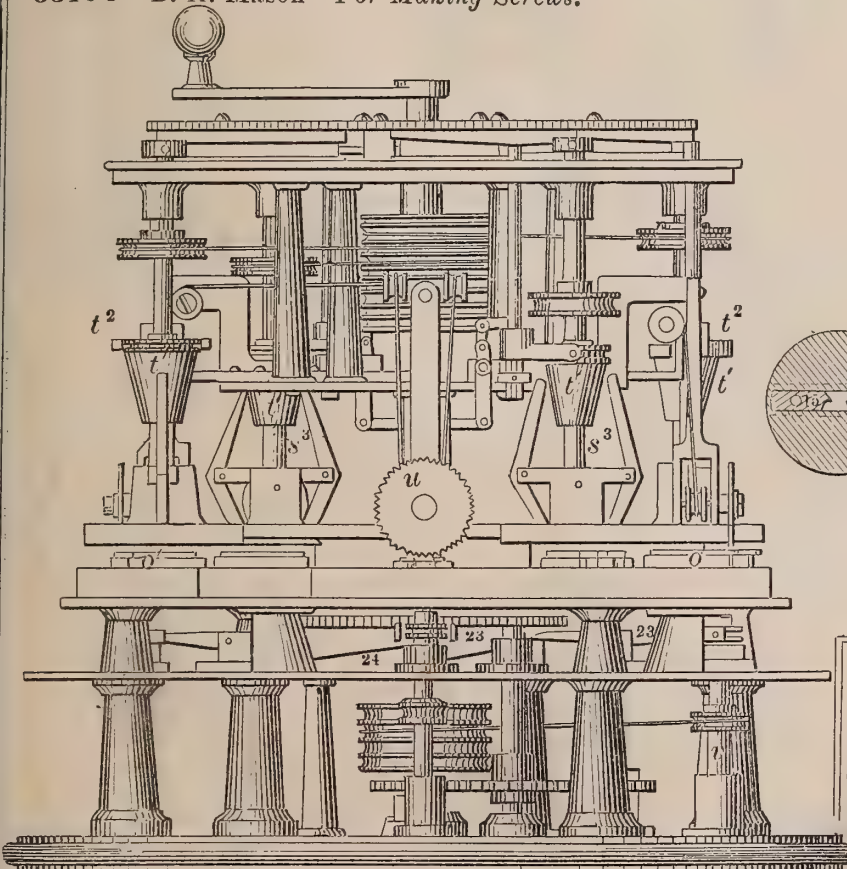
65097—J. H. Lewis—*Vise.*



65101—J. F. Mason—*Bridle.*



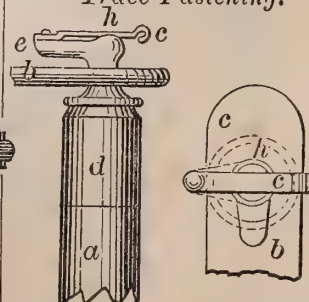
65100—B. A. Mason—*For Making Screws.*



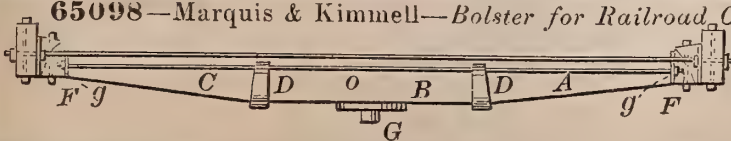
65102—M. F. Maury—*Cotton Bale Tie.*



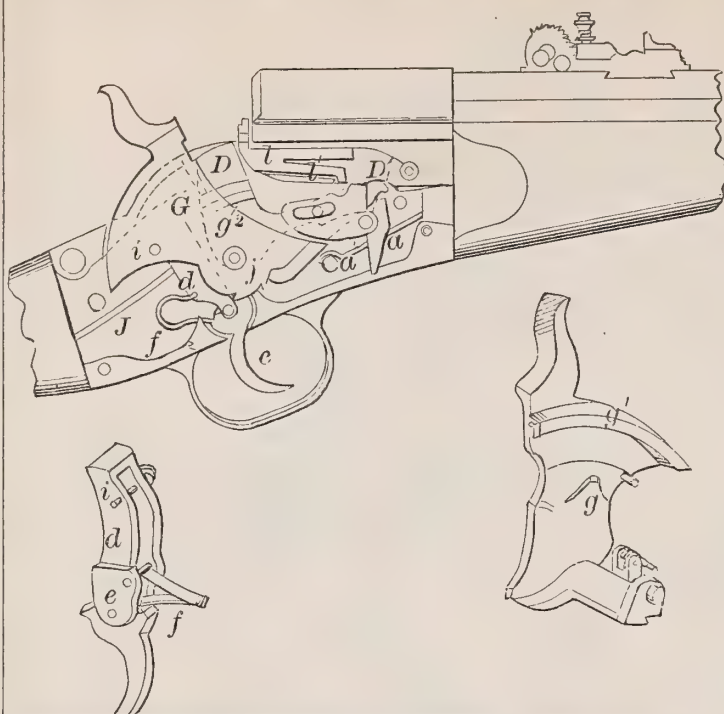
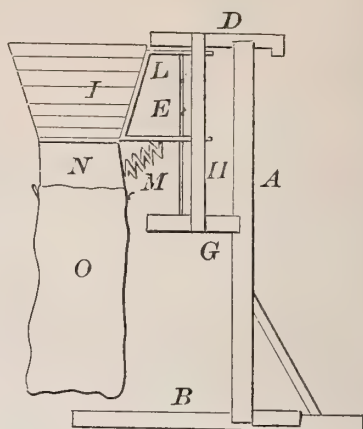
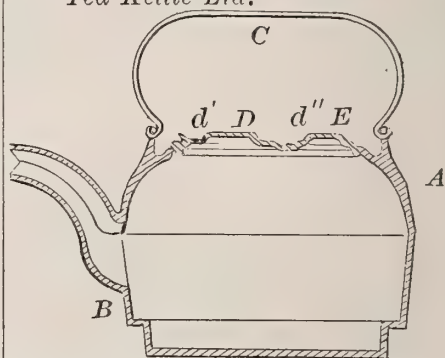
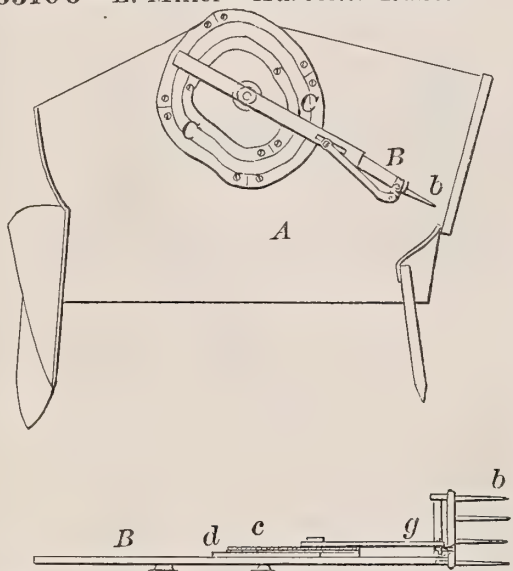
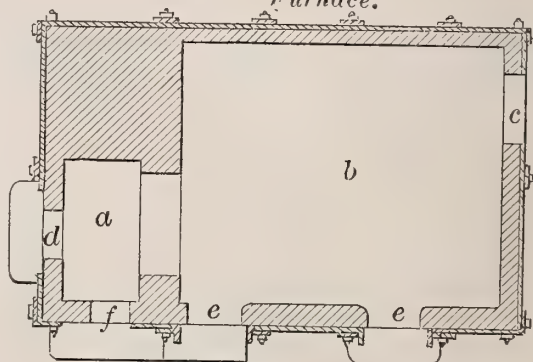
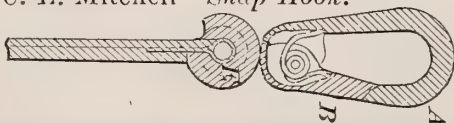
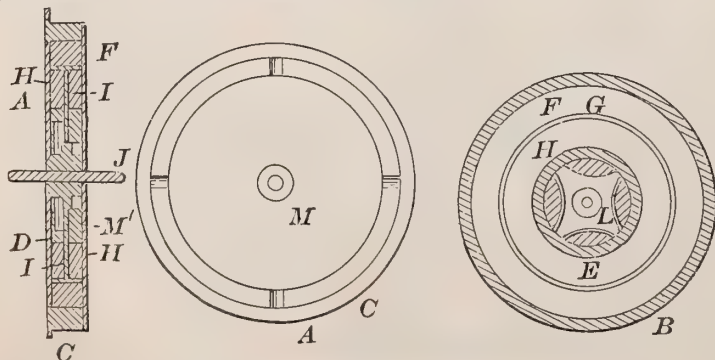
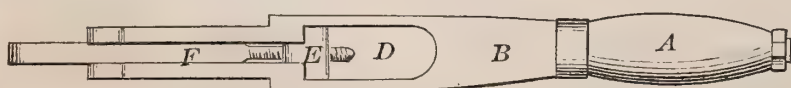
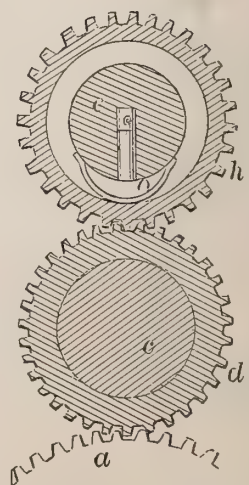
65096—B. A. Lewis—*Trace Fastening.*



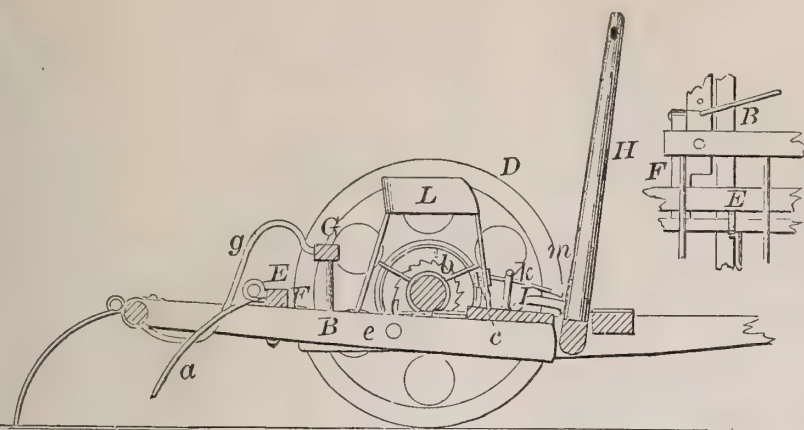
65098—Marquis & Kimmell—*Bolster for Railroad Cars.*



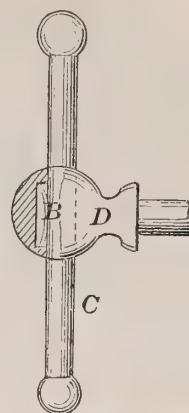


65103—R. McChesney—*Breech-Loading Fire Arm.*65105—J. Melcher—*Bag Holder.*65104—W. L. McDowell—*Tea Kettle Lid.*65106—L. Miller—*Harvester Rake.*65110—G. Nimmo—*Heating and Welding Furnace.*65107—C. E. Mitchell—*Snap Hook.*65109—D. P. Nickerson—*Car Wheel.*65111—J. L. Ordner—*Pipe Wrench.*65112—S. Ottenheimer—*Corset Loom.*

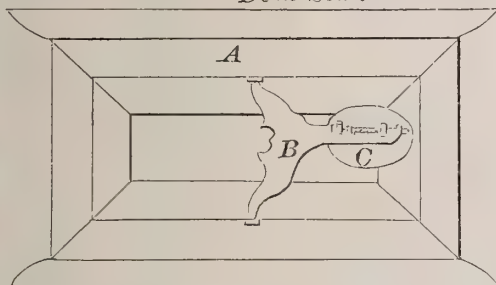
65113—G. N. Palmer—*Horse Rake and Hay Spreader.*



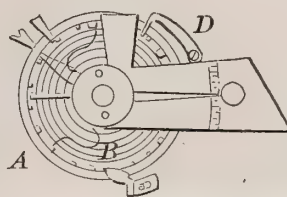
65114—B. F. Perkins—*Vise.*



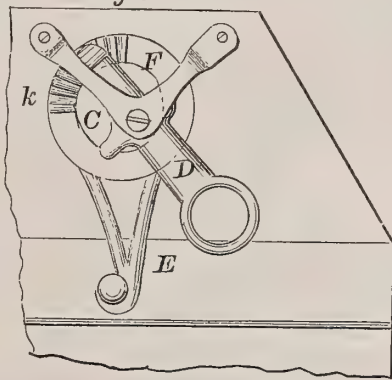
65115—W. R. Pomeroy—*Counter and Desk Seat.*



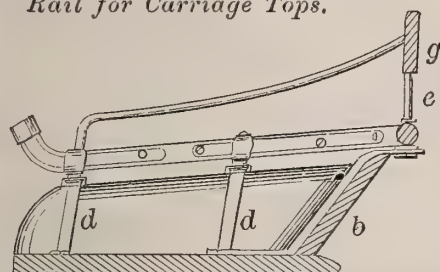
65116—G. Ramsay—*Balance Wheel of Watches.*



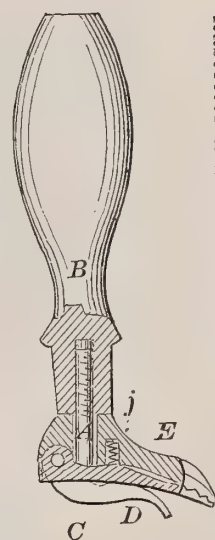
65118—M. C. Remington—*Fastening Seats to Carriages.*



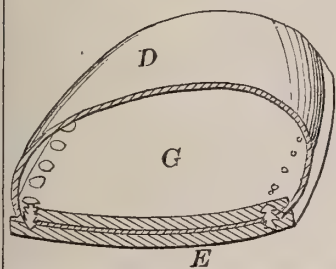
65119—U. Reynolds—*Shifting Rail for Carriage Tops.*



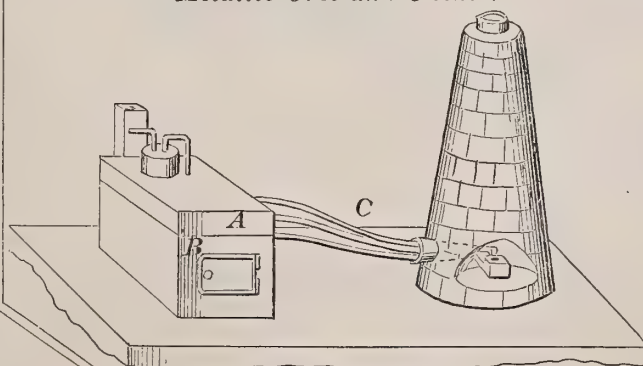
65117—Rastetter & Sincor—*Shank Luster.*



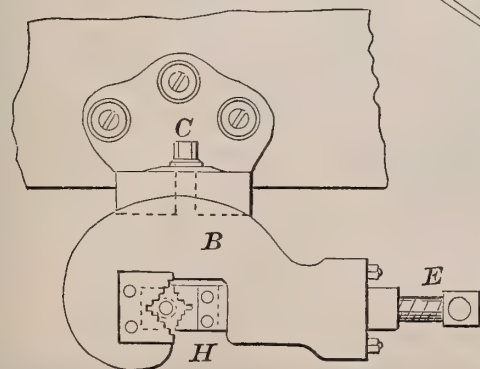
65120—E. P. Richardson—*Boots and Shoes.*



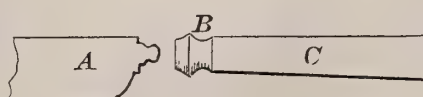
65122—S. C. Salisbury—*Reducing and Refining Metallic Ores and Oxides.*



65124—D. Saunders—*Pipe Vise.*



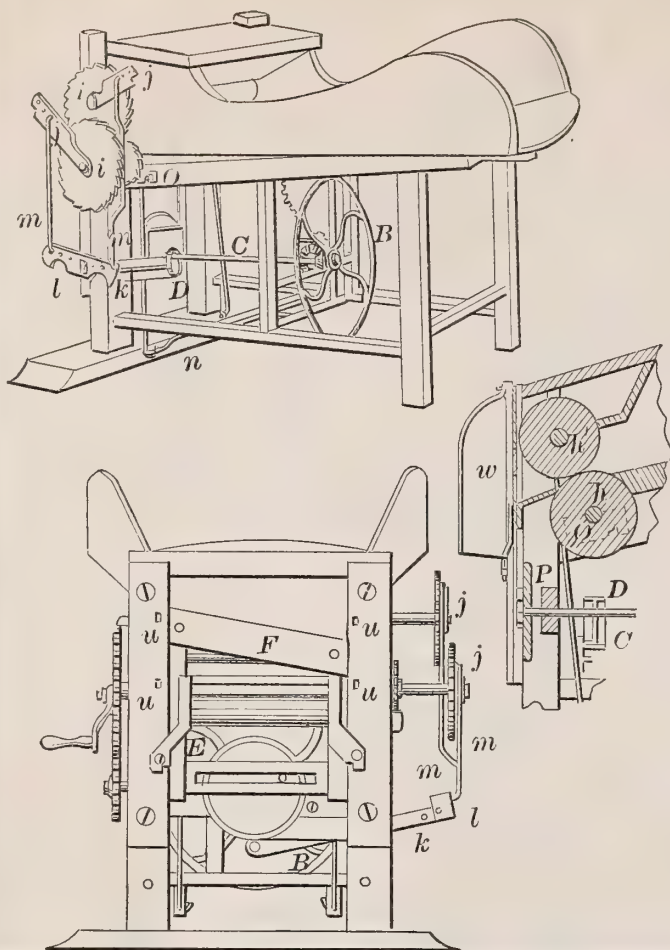
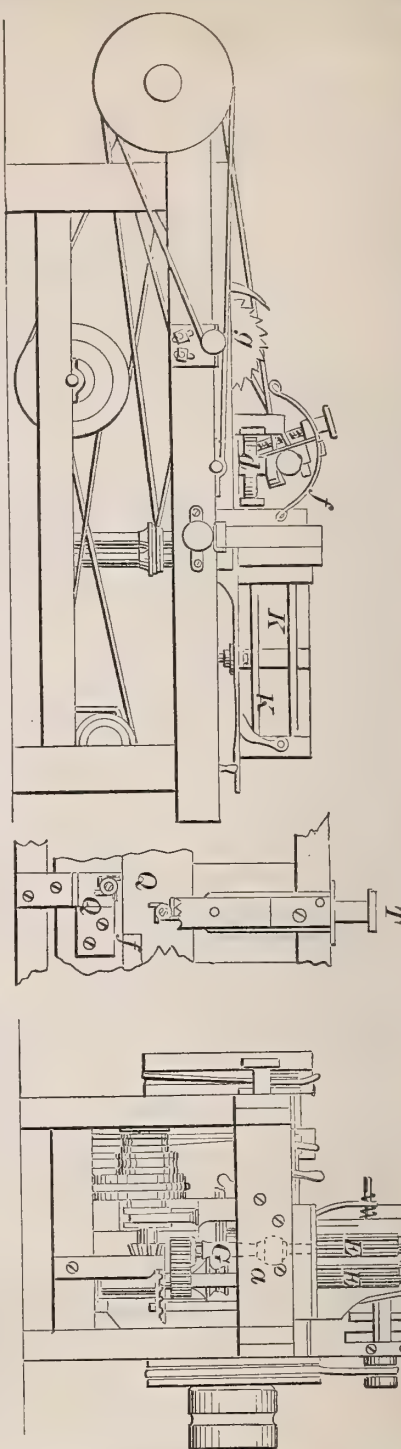
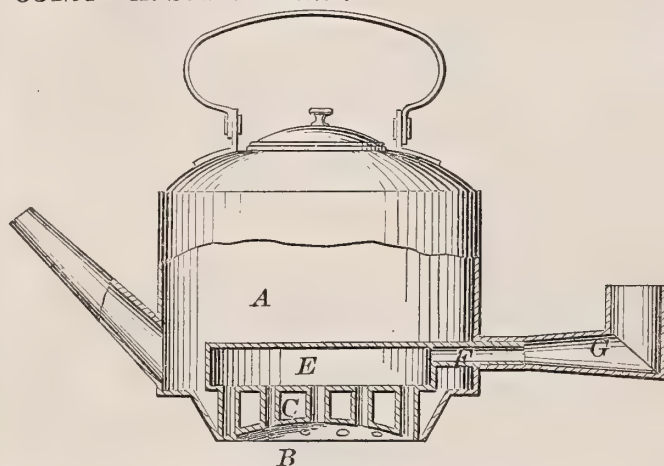
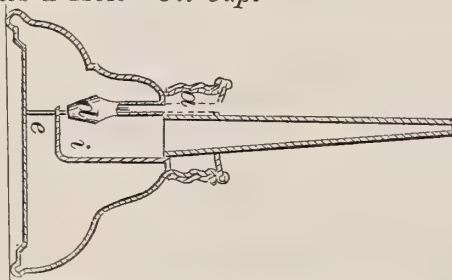
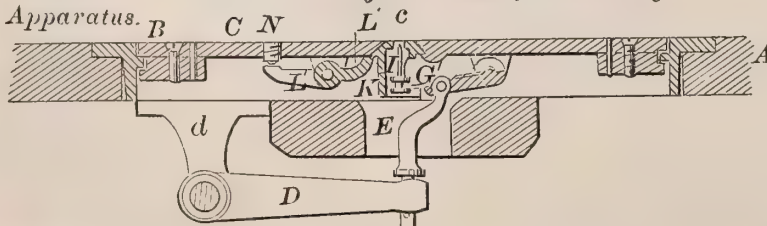
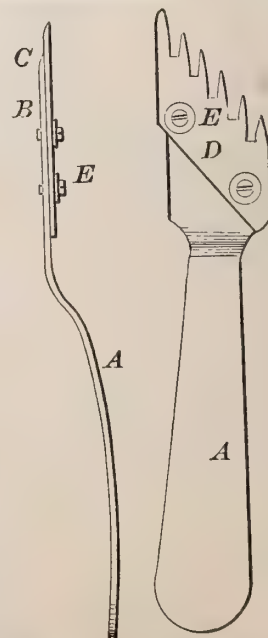
65123—H. Sanderson—*Cutlery.*



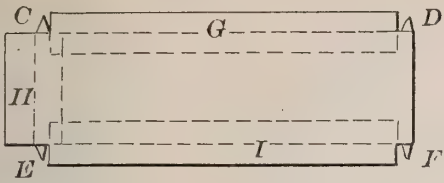
65121—E. A. L. Roberts—*Sand Pump.*



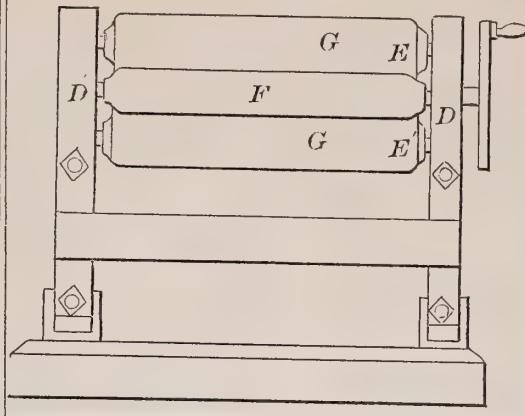


65125—W. D. Schooley—*Straw Cutter.*65128—P. T. Smith—*Planing Machine for Wood.*65129—A. Sower—*Kettle.*65126—Sears & Holt—*Oil Cup.*65127—J. F. Shearman—*Register Point for Printing Apparatus.*65130—L. H. Spelman—*Sheep Shearer.*

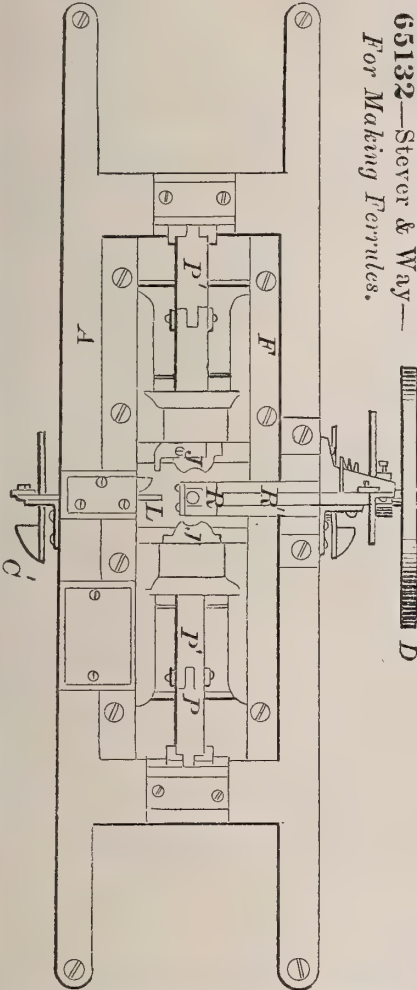
65131—E. F. Stephens—*Card Holder.*



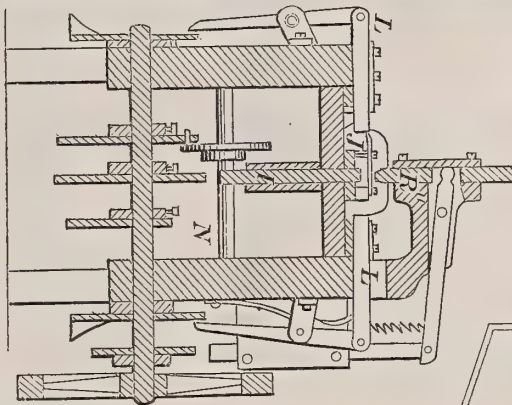
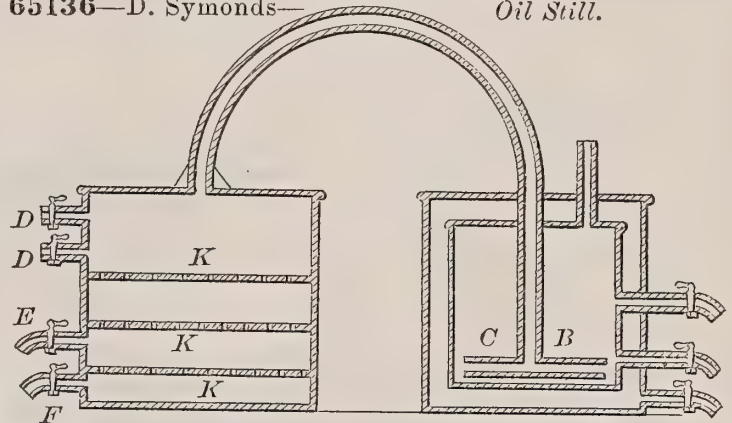
65134—R. A. Stratton—*Mangle.*



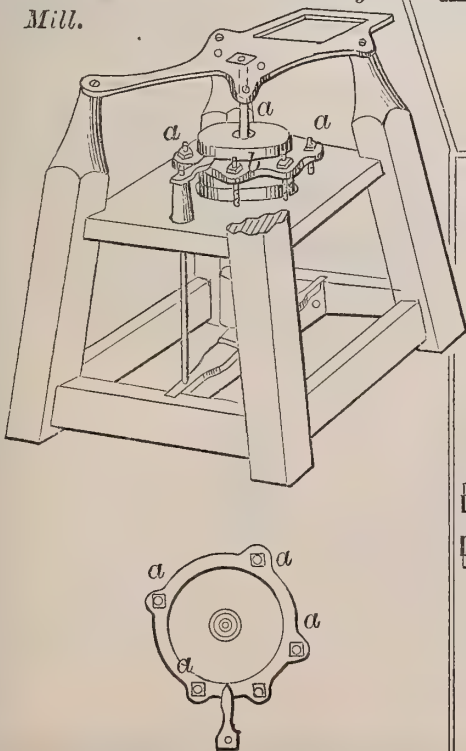
65132—Steyer & Way—*For Making Ternes.*



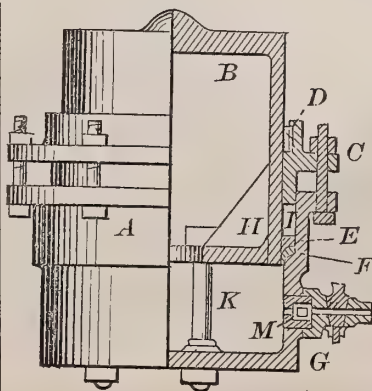
65136—D. Symonds—*Oil Still.*



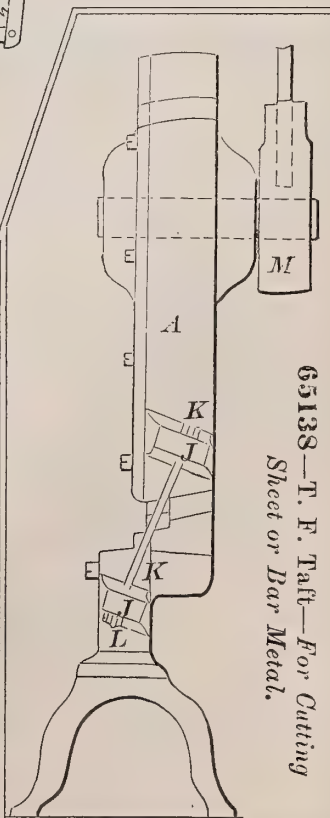
65133—I. Straub—*Grinding Mill.*



65135—D. B. Strobe—*Pneumatic Spring.*

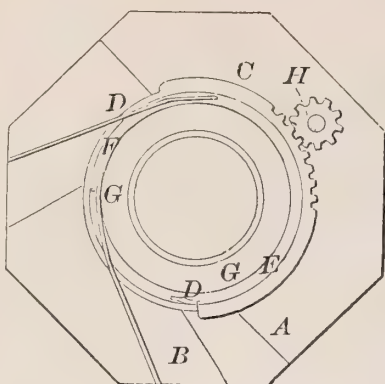


65138—T. F. Taft—*For Cutting Sheet or Bar Metal.*

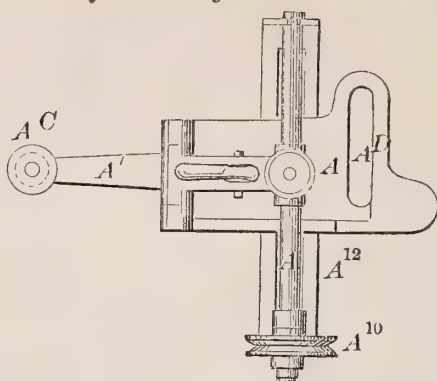




**65140**—G. Vliet—*Gate for Water Wheels.*



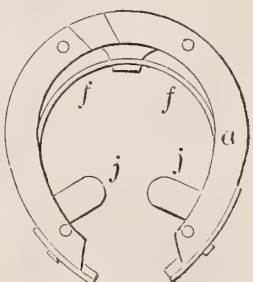
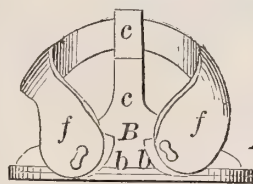
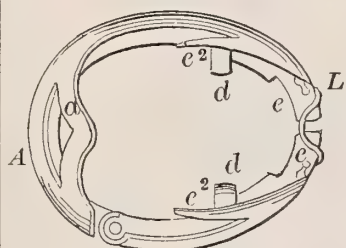
**65141**—A. Wissenborn—*Tuck Marker for Sewing Machines.*



**65142**—J. A. Whipple—*Match Box and Taper Holder.*

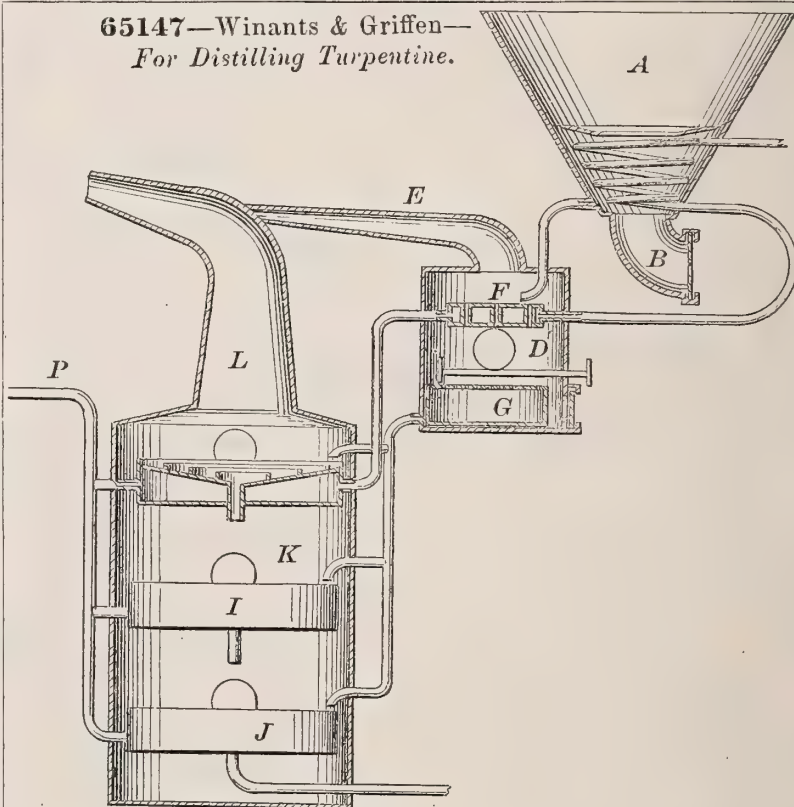


**65144**—  
A. S. Wilkinson—*Horse Shoe.*

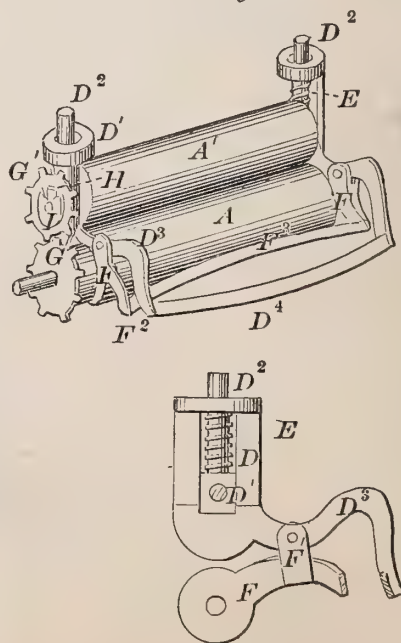


**65145**—A. S. Wilkinson—*Horse Shoe.*

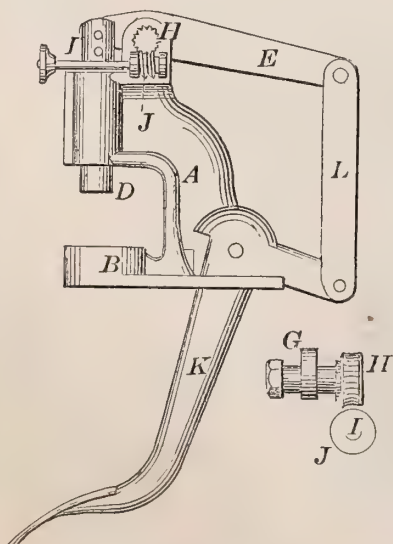
**65147**—Winants & Griffen—*For Distilling Turpentine.*



**65148**—G. L. Witsil—*Clothes Wringer.*



**65143**—M. G. Wilder—*Punching Press.*



**65146**—J. D. Winslow—*Sash Tightener.*



65149—S. W. Wood—Grain Conveying Machine.

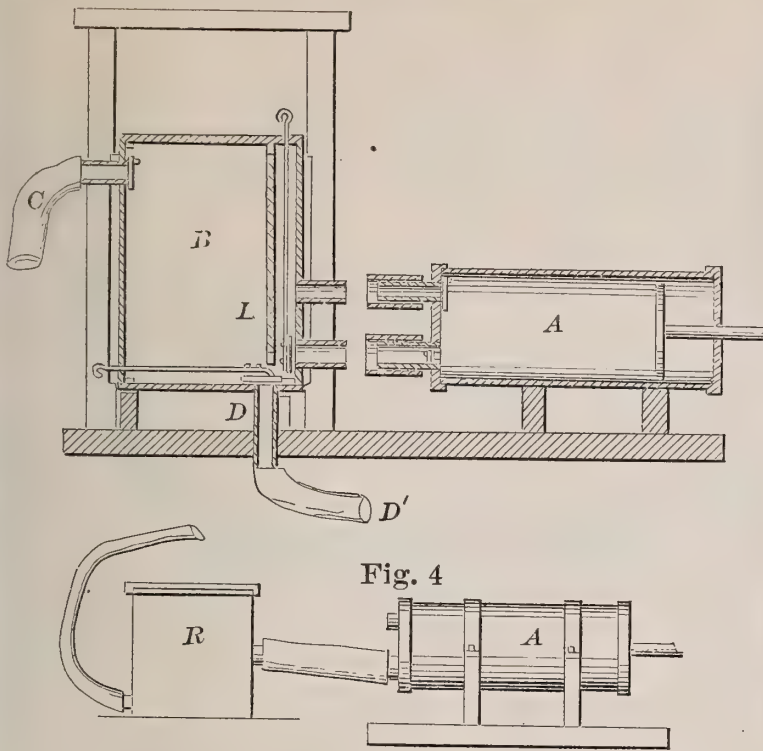


Fig. 4

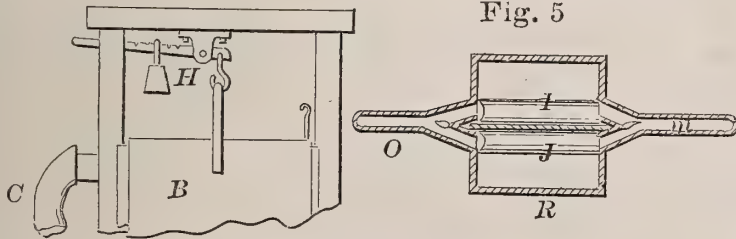
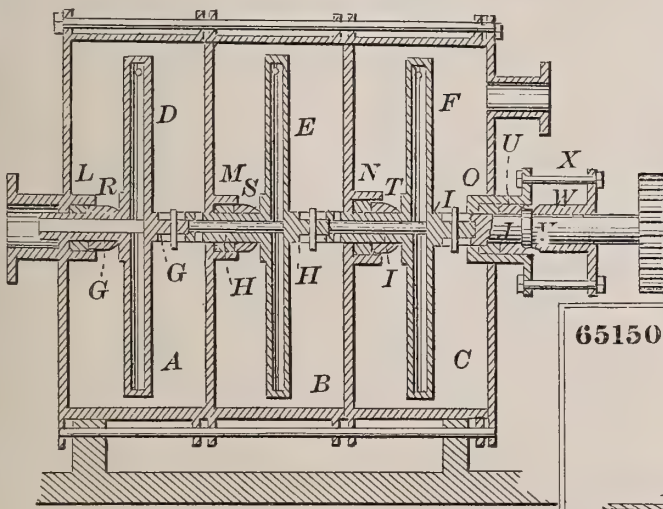
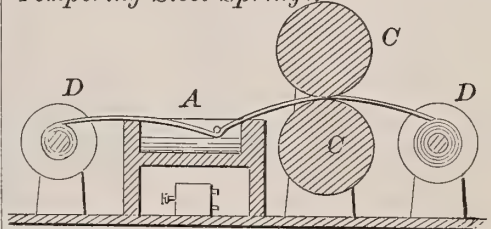


Fig. 5

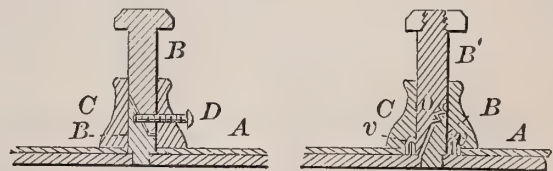
65154—T. Banta—Rotary Steam Engine.



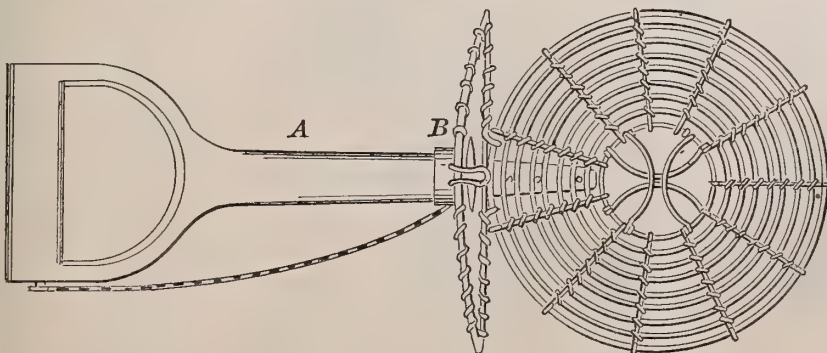
65156—I. N. Bevans—For Tempering Steel Springs.



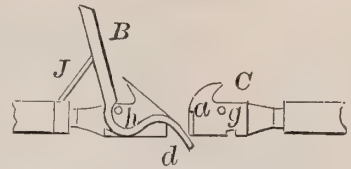
65150—C. R. Abbot—Prop for Carriage Tops.



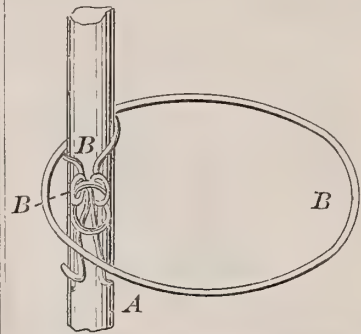
65157—E. Bimm—Basket.



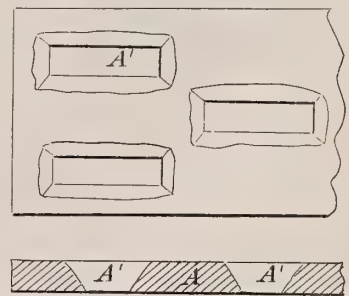
65151—J. D. Anderson—Car Coupling.



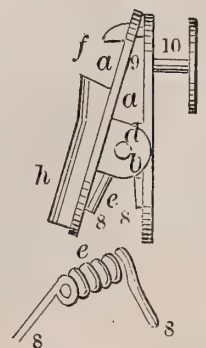
65152—A. P. Anthony—Clothes Dryer Attachment for Stove Pipes.



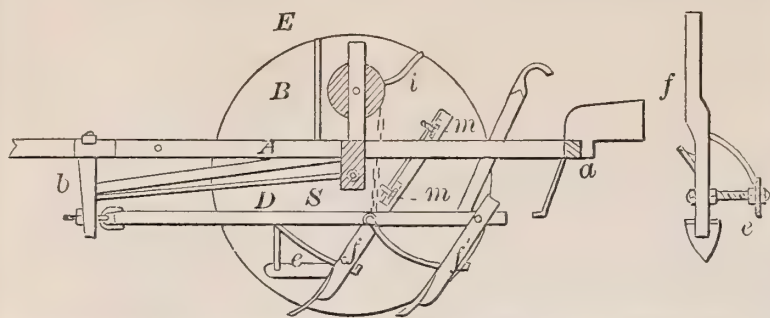
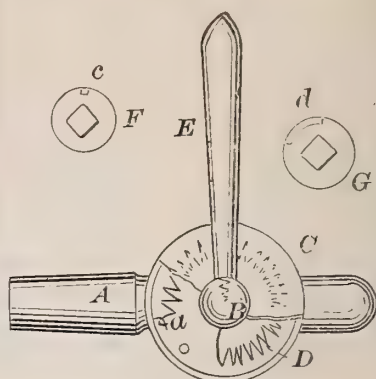
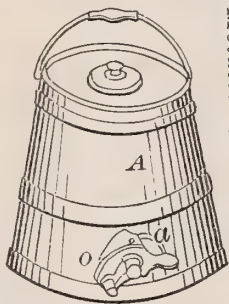
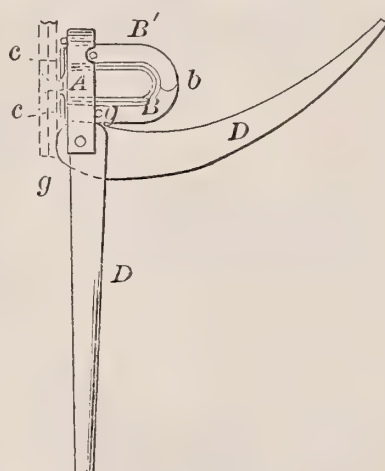
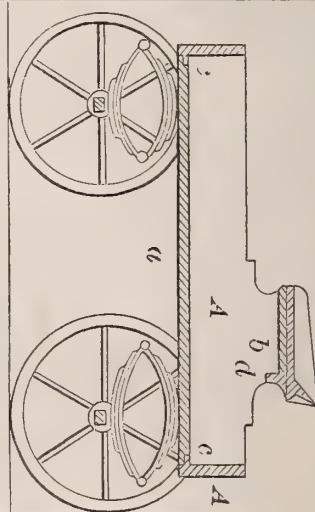
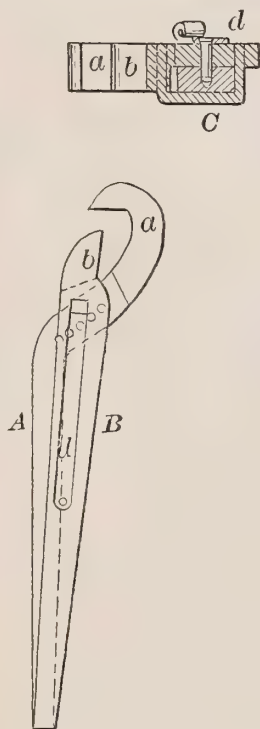
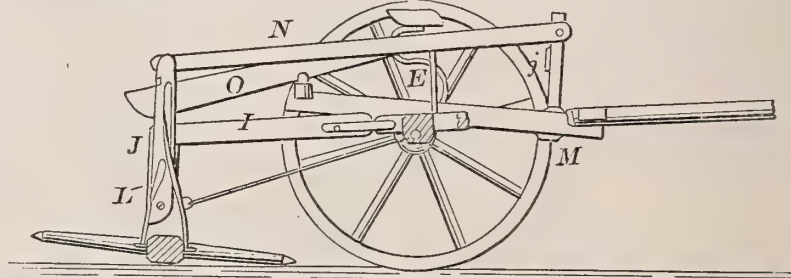
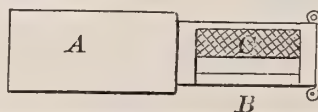
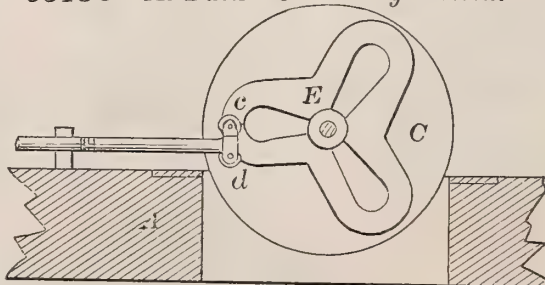
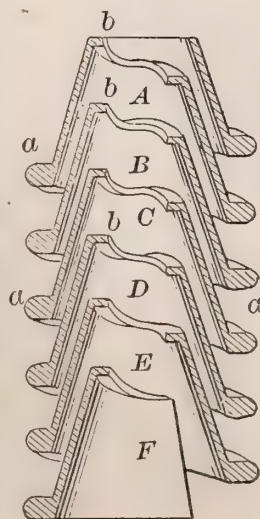
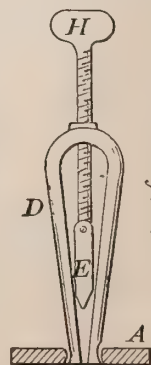
65153—E. D. Averell—Lath for Plastering.



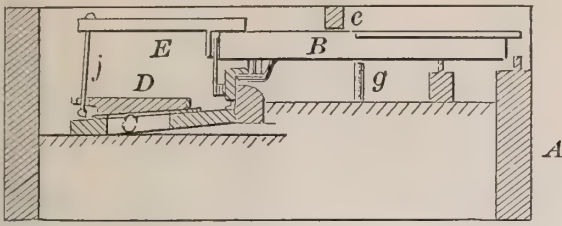
65155—J. Barbier—Clasp for Securing Shirt Collars.



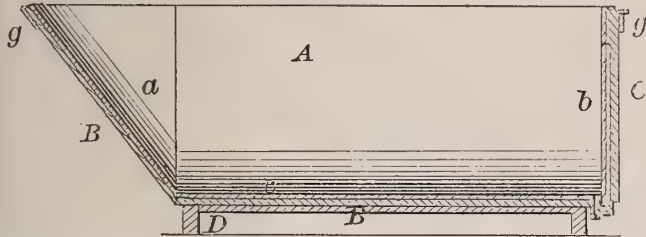


65158—H. Boys—*Cultivator.*65160—A. Brinckmann—*Faucet.*65159—W. Briggs—*Malasses Vessel.*65161—W. Britton—*Bolt Cutter.*65168—J. S. Campbell—*Vehicle.*65162—J. R. Brown—*Pipe Wrench.*65164—I. L. Bullock—*Horse Rake.*65165—H. Burgess—*Pencil Sharpener.*65166—H. Burk—*Converting Motion.*65163—M. E. Bulkey—*Corset Clasp.*65167—F. Cajjar—*Car Spring.*65169—E. Card—*Pattern Lifter.*

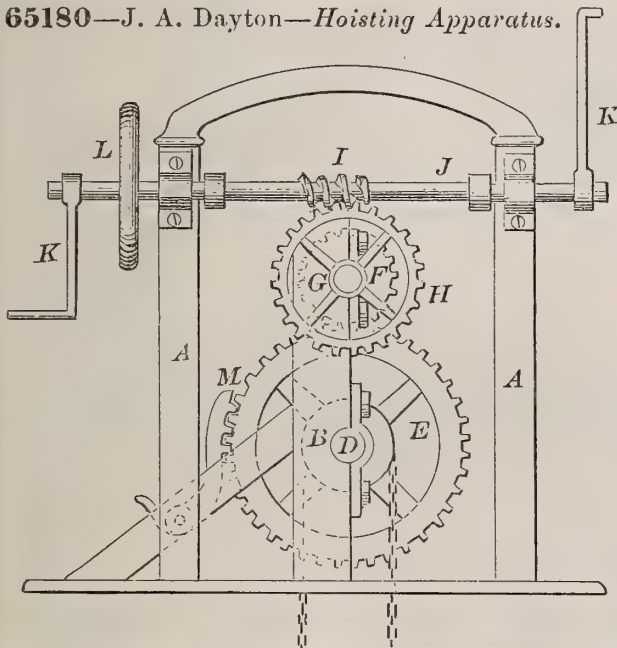
**65171**—R. W. Carpenter—*Melodeon and other Wind Instruments.*



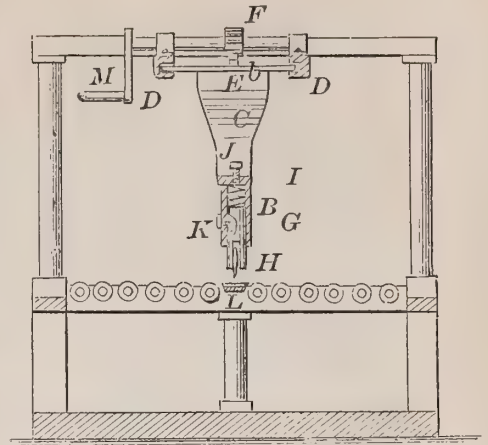
**65172**—J. Carroll—*Bath Tub.*



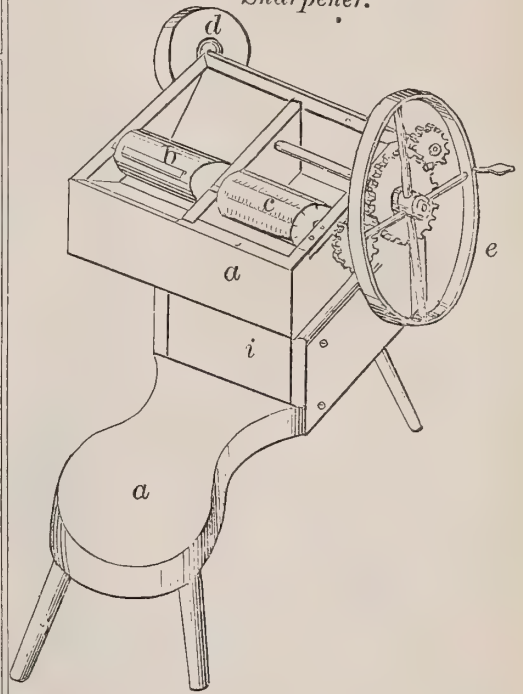
**65180**—J. A. Dayton—*Hoisting Apparatus.*



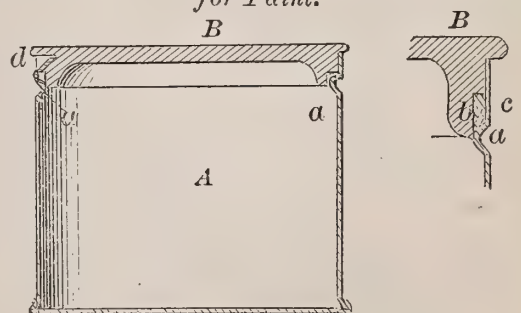
**65173**—S. E. Chubbuck—*For Cutting Sheet Lead.*



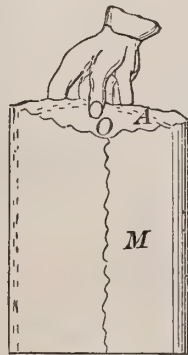
**65177**—E. Culver—*Cutter, Grater and Sharpener.*



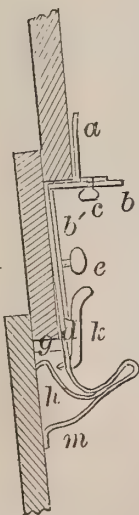
**65181**—F. W. Devoe—*Metal Can for Paint.*



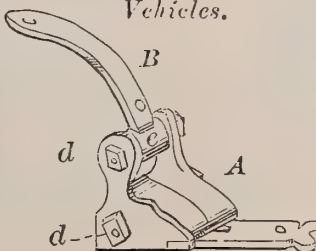
**65176**—L. C. Crowell—*Constructing Paper Bags.*



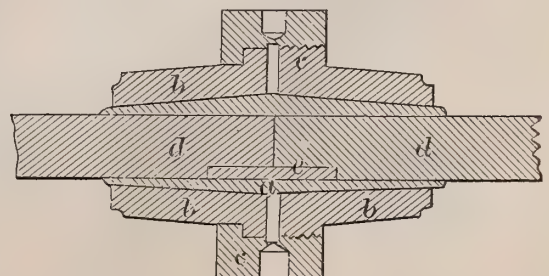
**65178**—Cummings & Babcock—*Gauge for Holding Clepbards.*



**65182**—G. F. Dietz—*Attaching Thills to Vehicles.*

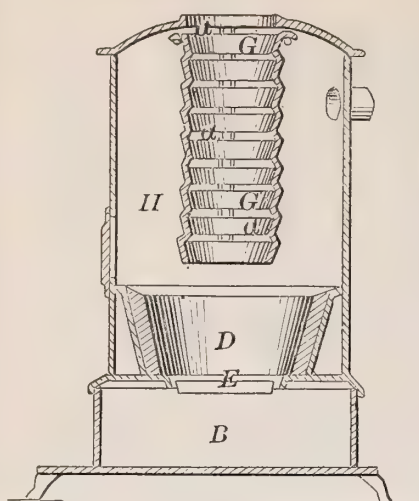


**65183**—Doane & Richards—*Shaft Coupling.*

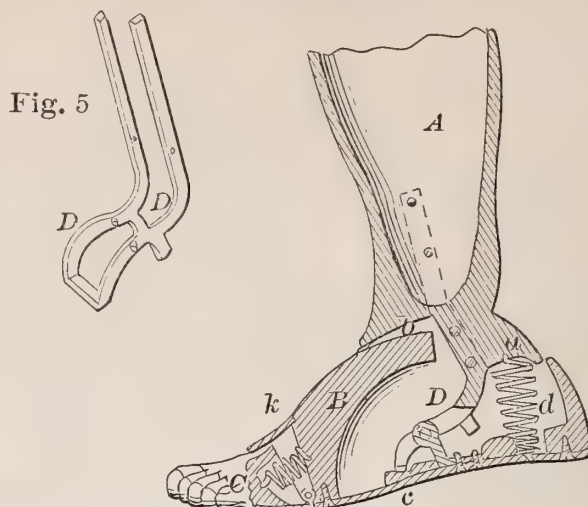




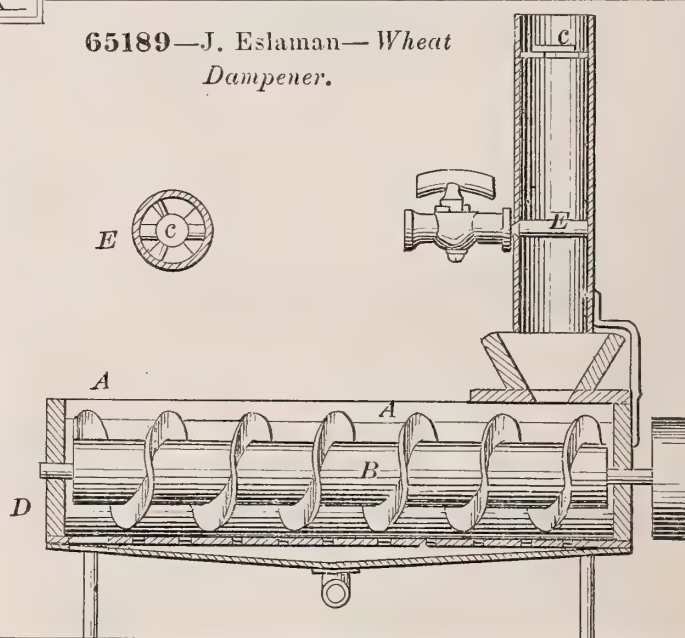
65184—W. C. Durant—*Base Burning Stove.*



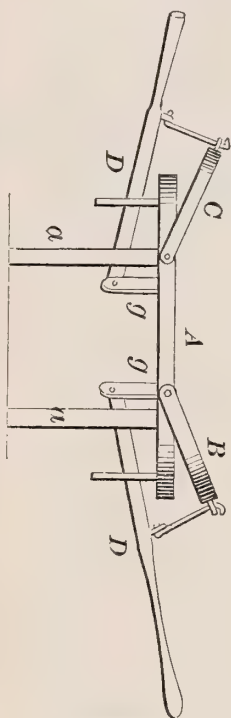
65187—J. Emery—*Artificial Leg.*



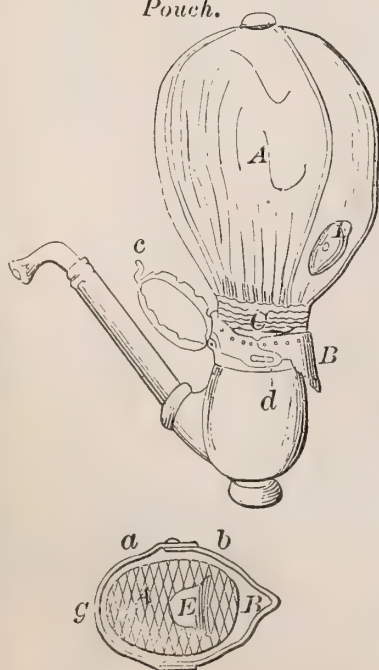
65189—J. Eslaman—*Wheat Dampener.*



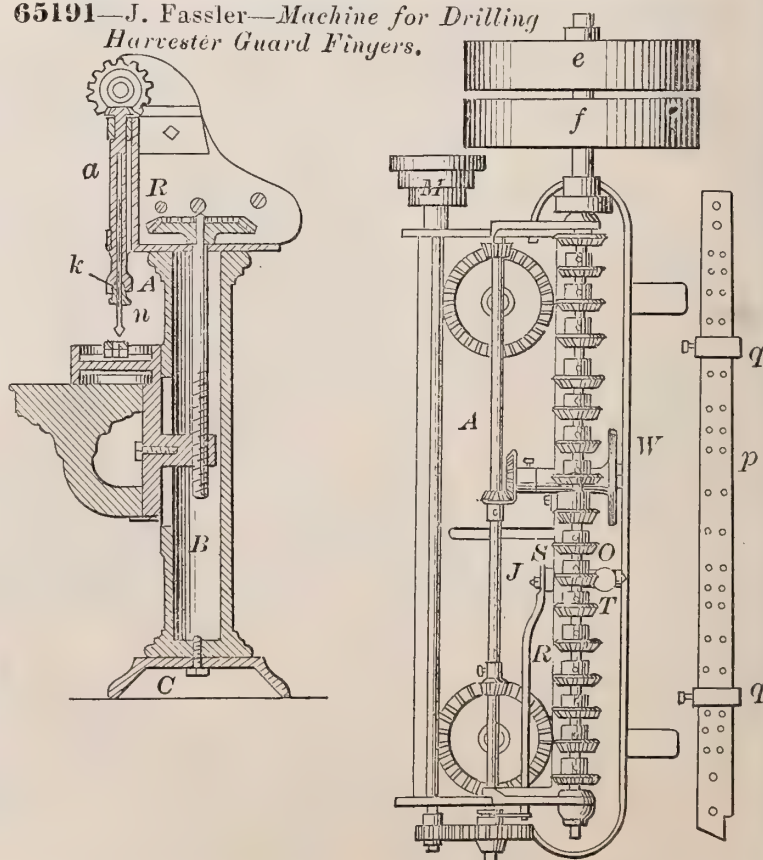
65185—J. W. Durgin—*Machine for Cutting Slate.*



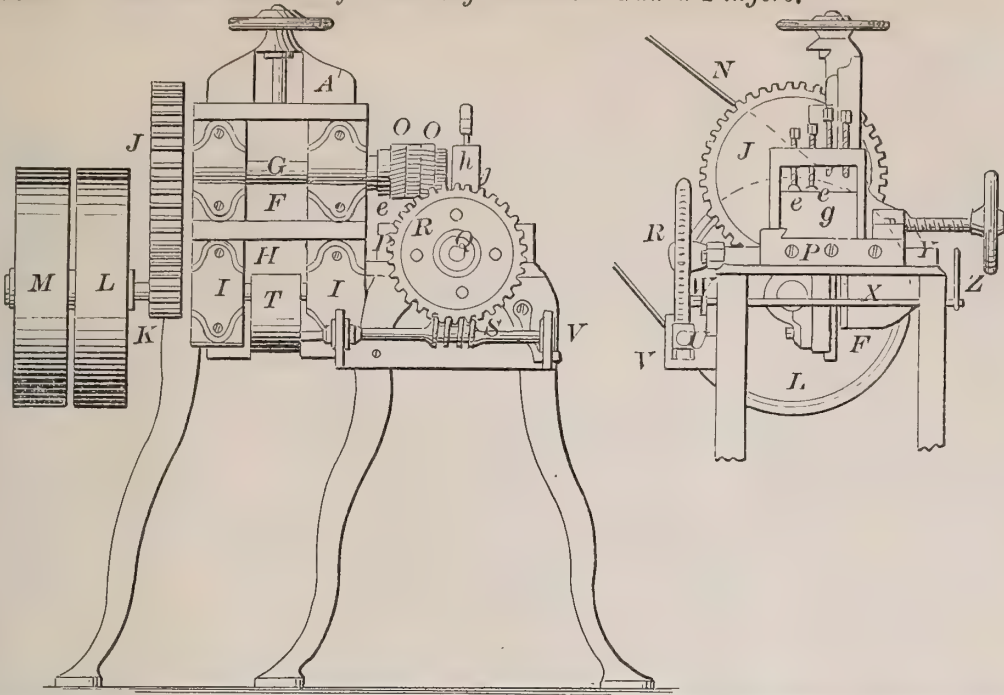
65188—J. G. Ernst—*Tobacco Pouch.*



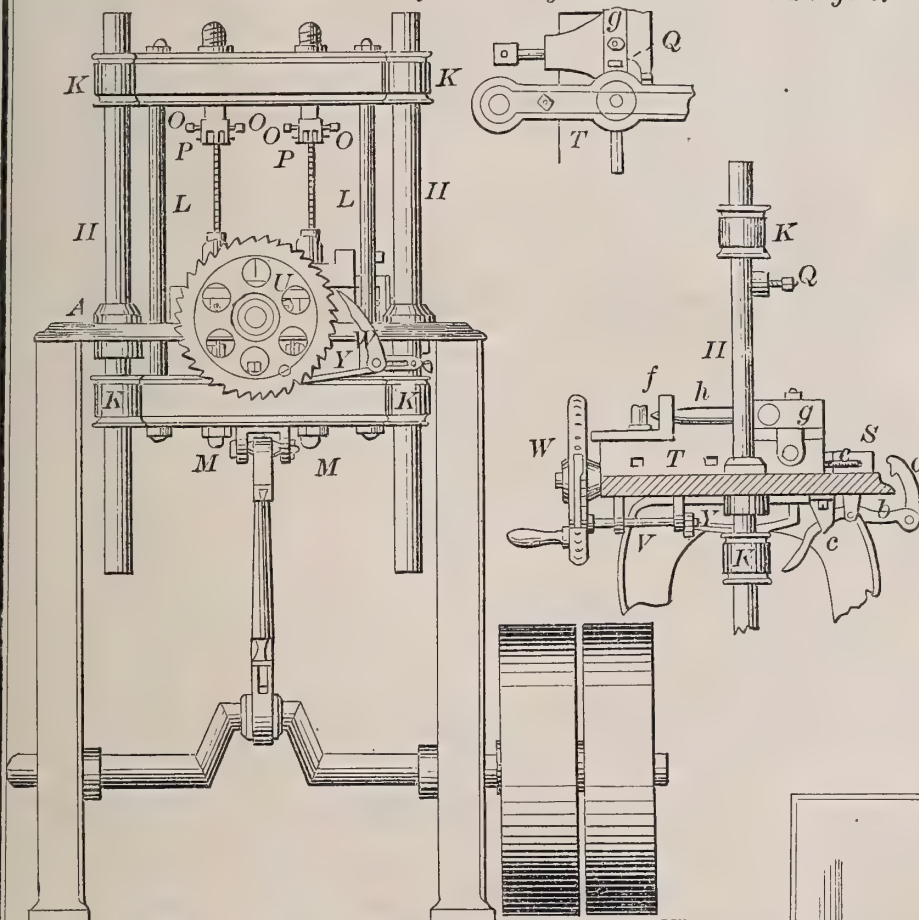
65191—J. Fassler—*Machine for Drilling Harvester Guard Fingers.*



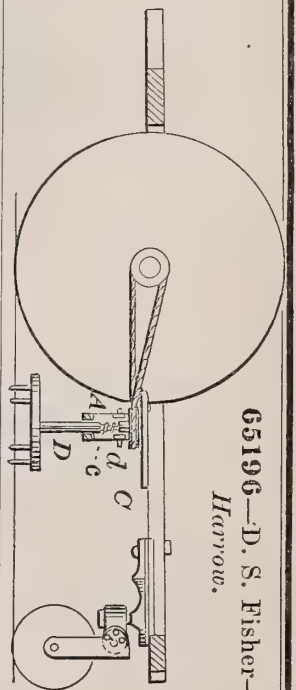
65192—J. Fassler—Machine for Milling Harvester Guard Fingers.



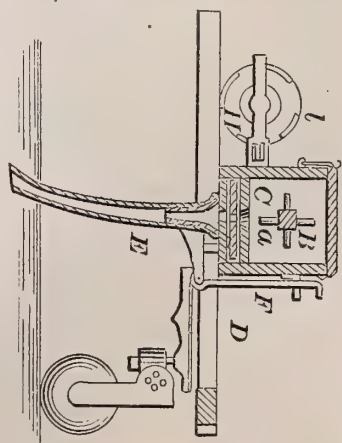
65193—J. Fassler—Machine for Slotting Harvester Guard Fingers.



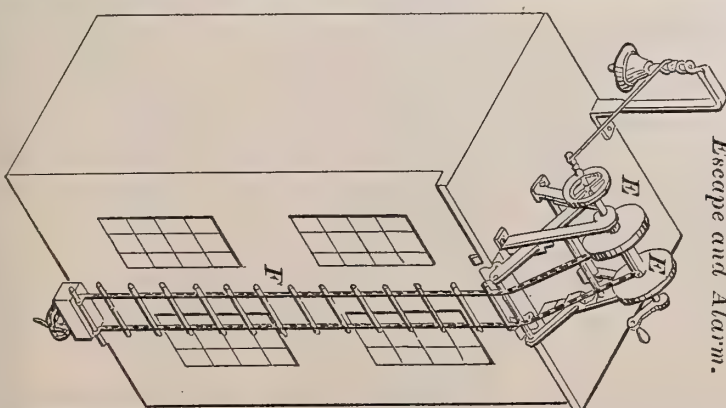
65196—D. S. Fisher—  
Harrow.



65195—D. S. Fisher—Wheat Drill.



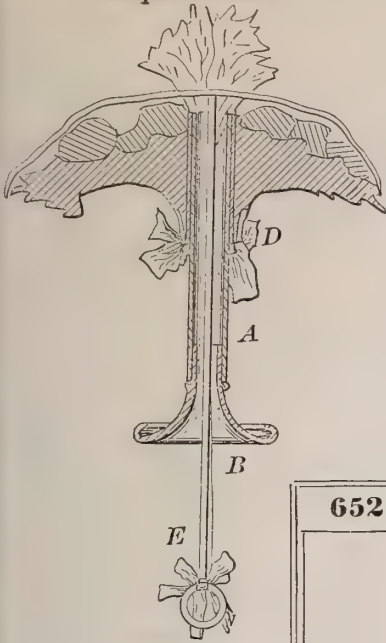
65194—J. Fischer—Fire  
Escape and Alarm.



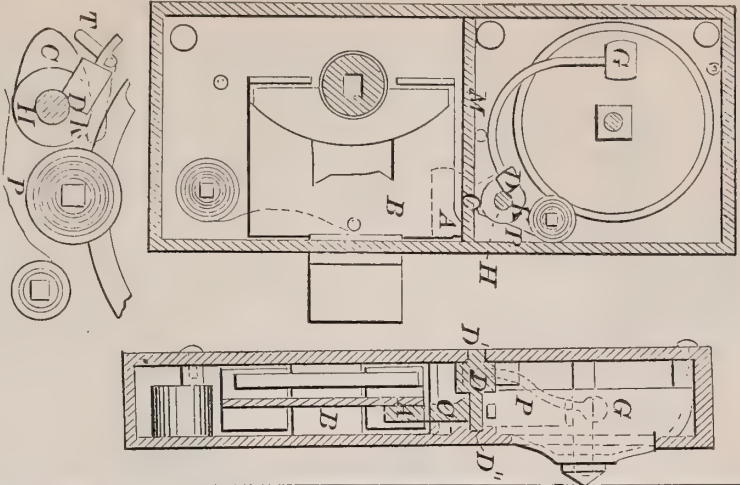




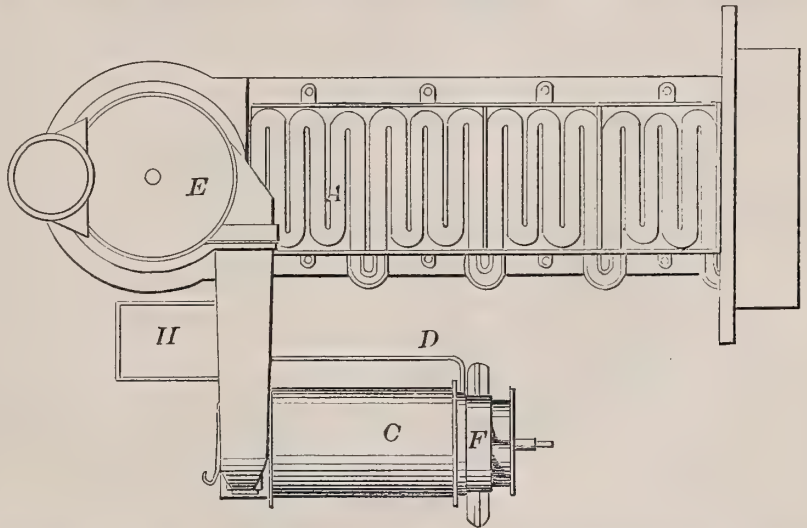
**65204**—A. D. Frye, Jr.—*Bouquet Holder.*



**65207**—A. L. Gennerat—*Burglar Alarm Lock.*



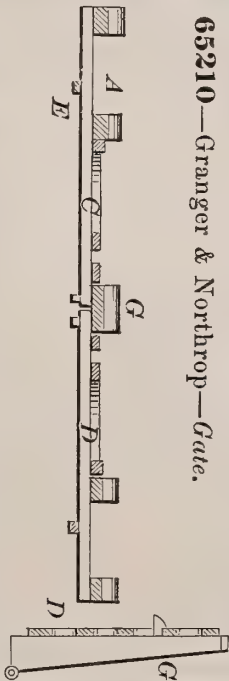
**65205**—A. Fryer—*For Evaporating and Concentrating Cane Juice.*



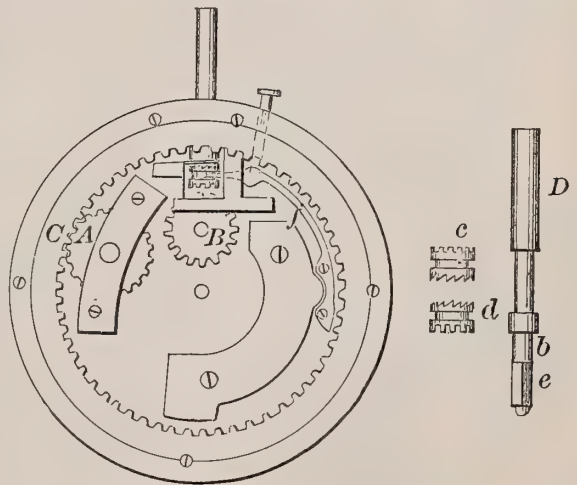
**65206**—S. F. Gates—*Umbrella.*



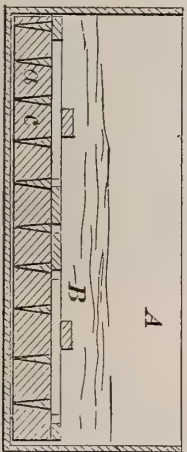
**65210**—Granger & Northrop—*Gate.*



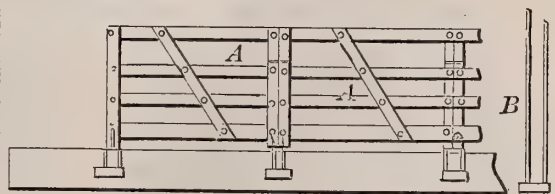
**65208**—F. S. Giles—*Stem Winding Watch.*



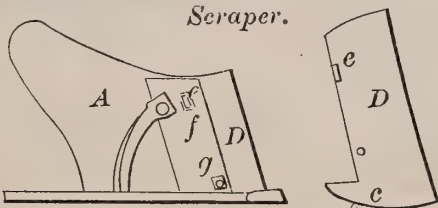
**65211**—S. Greene—*Separating Cheese Cured from Whey.*



**65209**—E. C. Gordon—*Fence.*

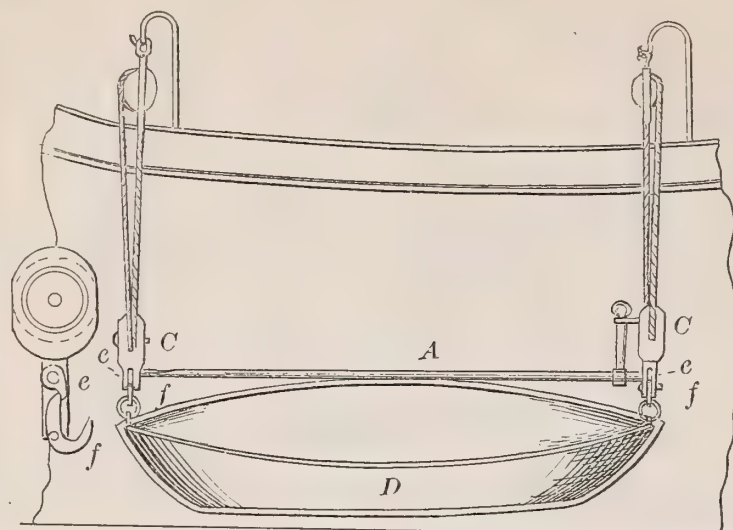


**65212**—J. V. Grief—*Plow and Cotton Scraper.*

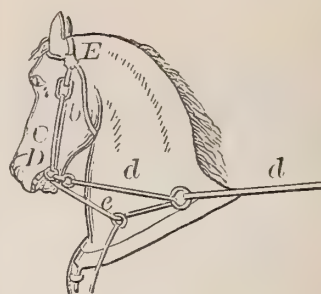




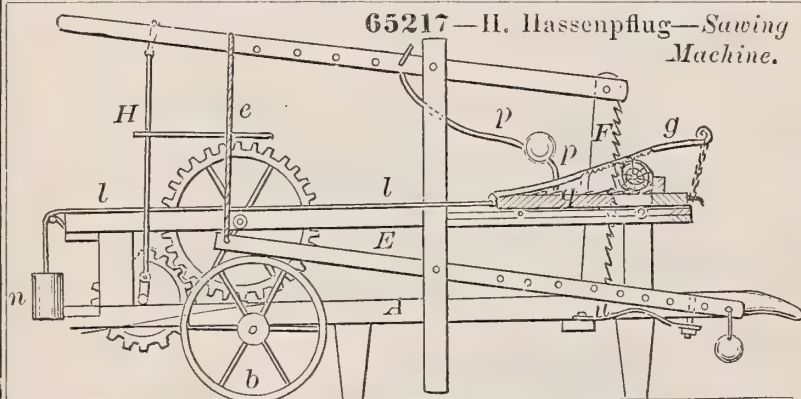
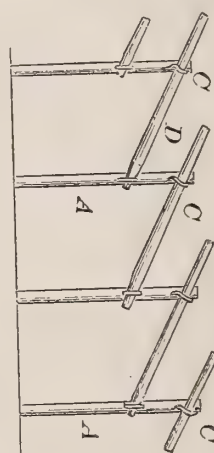
**65213**—R. H. Griffith—*Boat Detaching Tackle.*



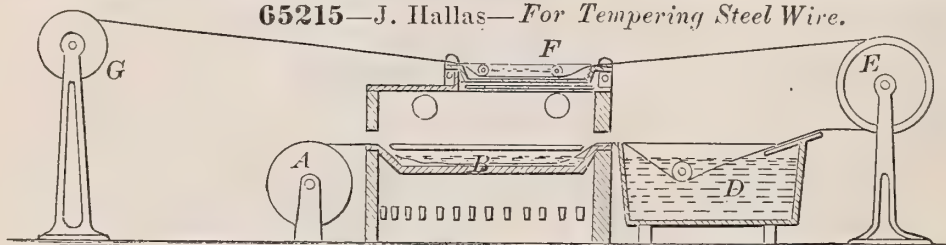
65216—S. B. Hartman—  
*Safety Bridle.*



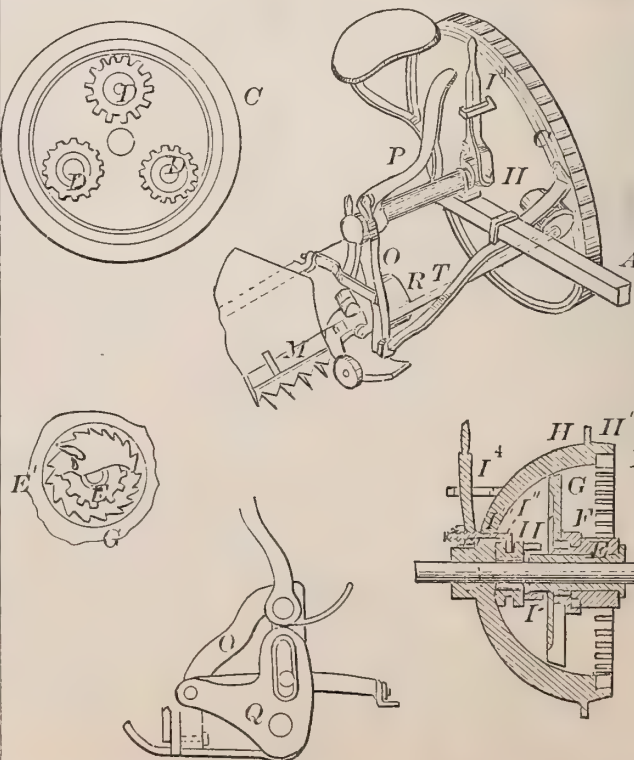
65217—H. Hassenpflug—Sawing Machine.

65214—N. F. Guffin—*Hop Trellis.*

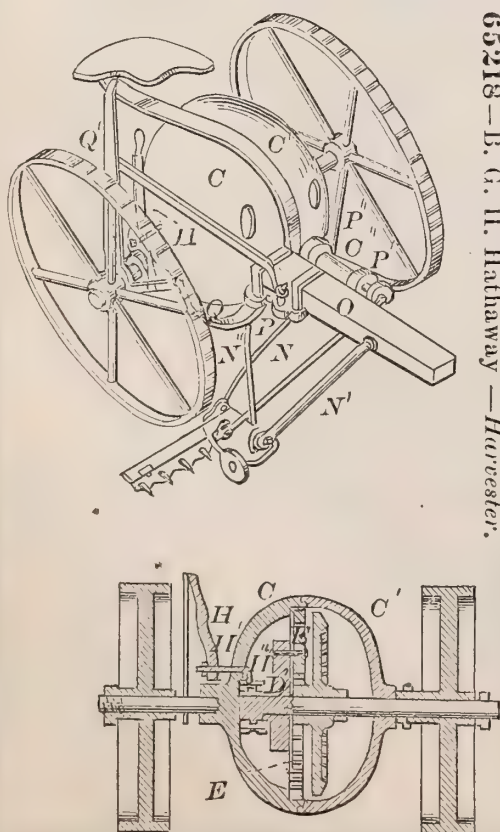
**65215**—J. Hallas—*For Tempering Steel Wire.*



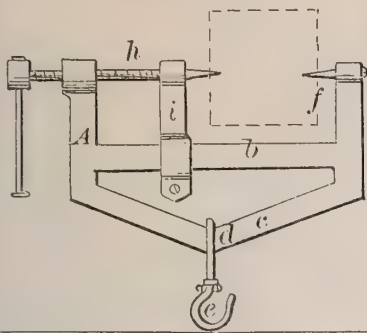
65219—B. G. H. & G. M. Hathaway—*Harvester*.



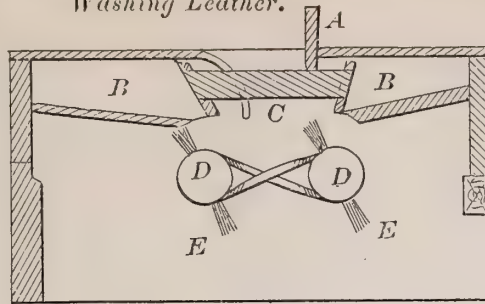
65218-B. (i. l. Hathaway—*Harvester*.



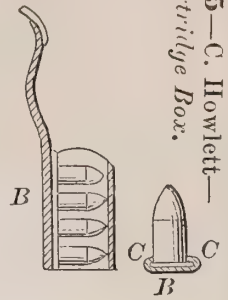
65220—Heth & Hall—Clutch.



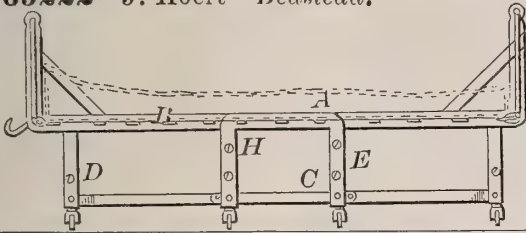
65224—A. & G. F. Howard—For Washing Leather.



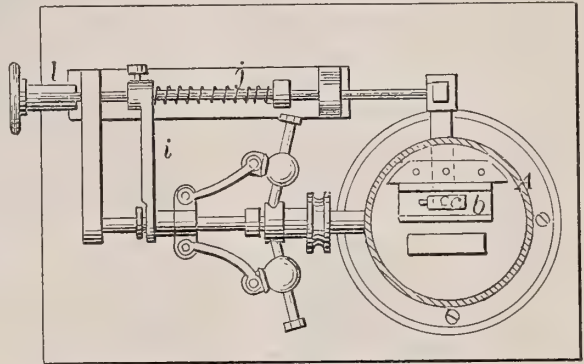
65225—C. Howlett—Cartridge Box.



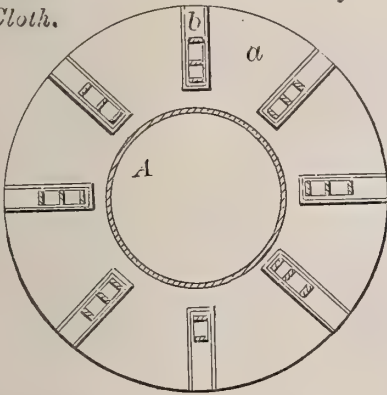
65222—J. Hoert—Bedstead.



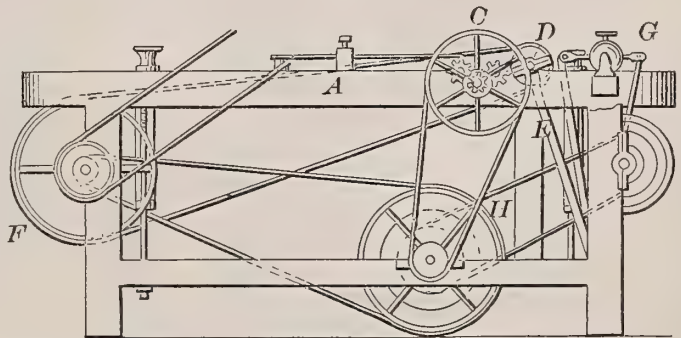
65221—C. Hindle—Governor.



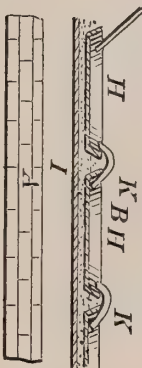
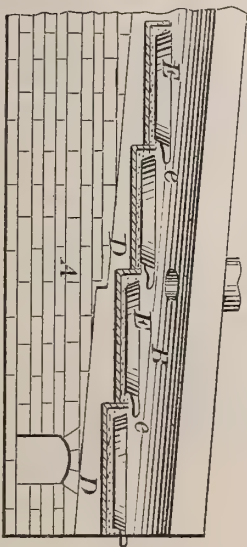
65223—R. Hoskin—Roller for Floor Cloth.



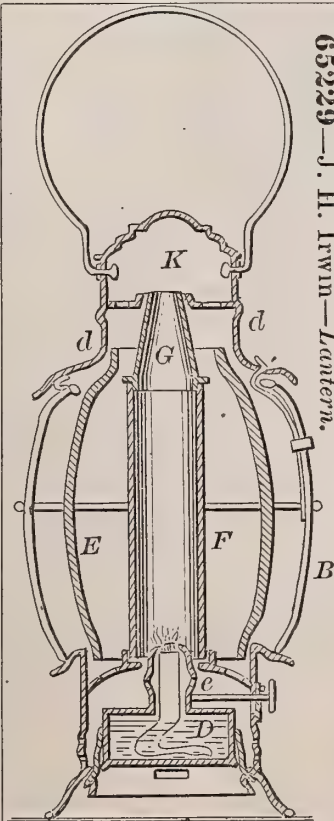
65226—G. S. Hudson—Moulding Machine.



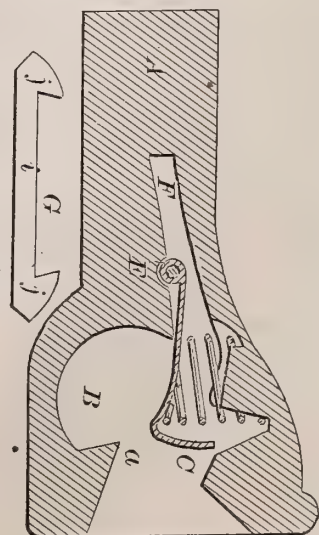
65227—J. Hughes—For Concentrating Sulphuric Acid and other Liquids.



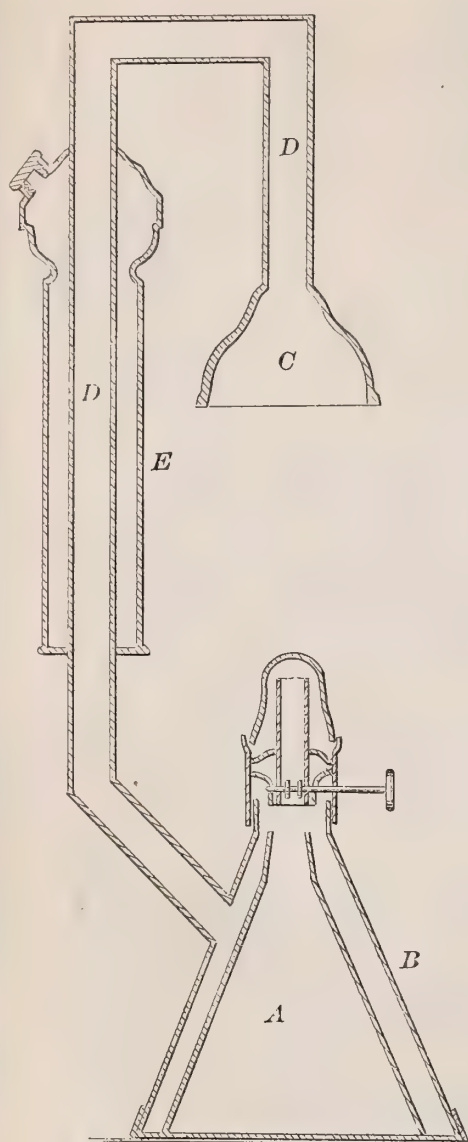
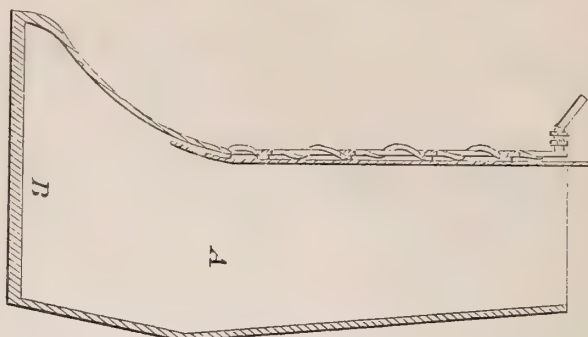
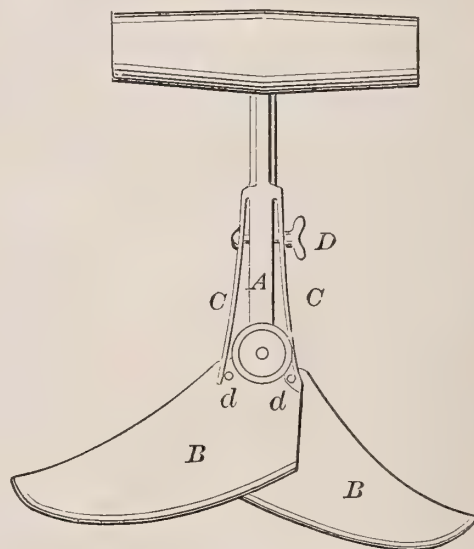
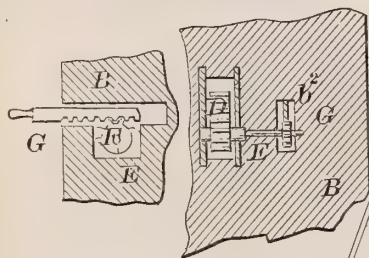
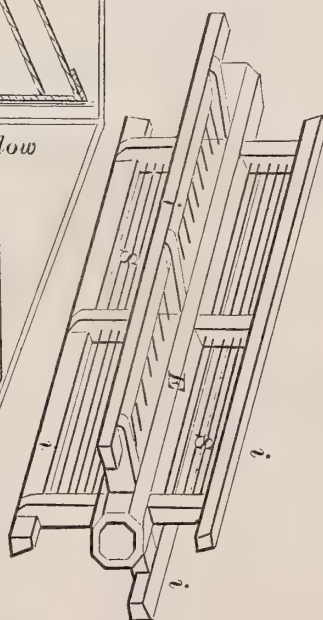
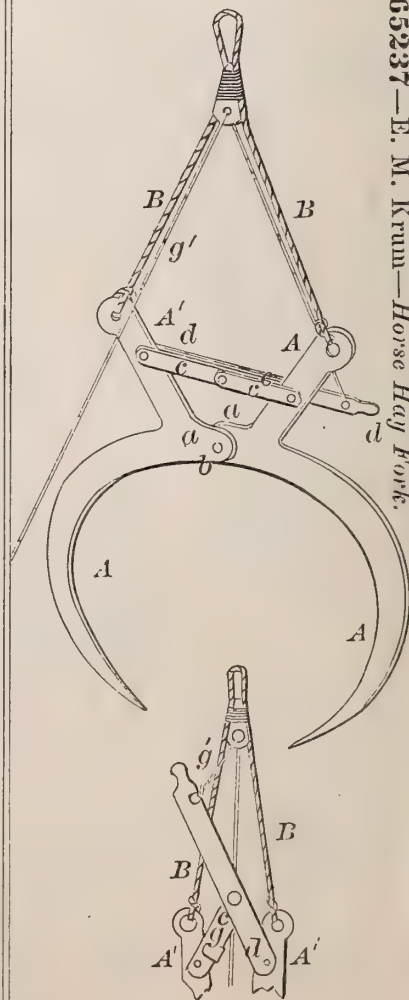
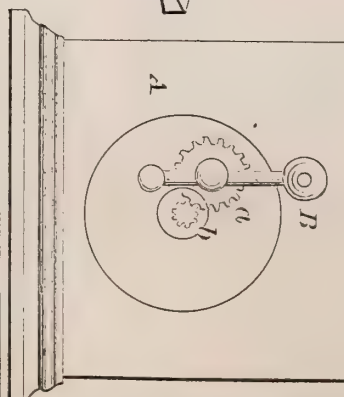
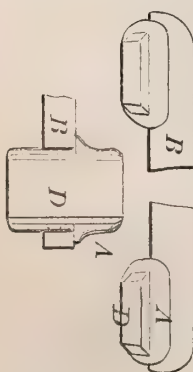
65229—J. H. Irwin—Lantern.



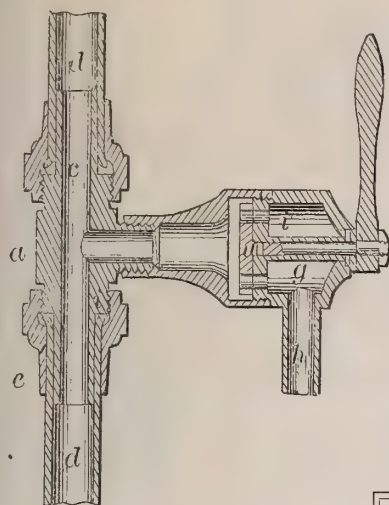
65228—R. H. Huston—Car Coupling.



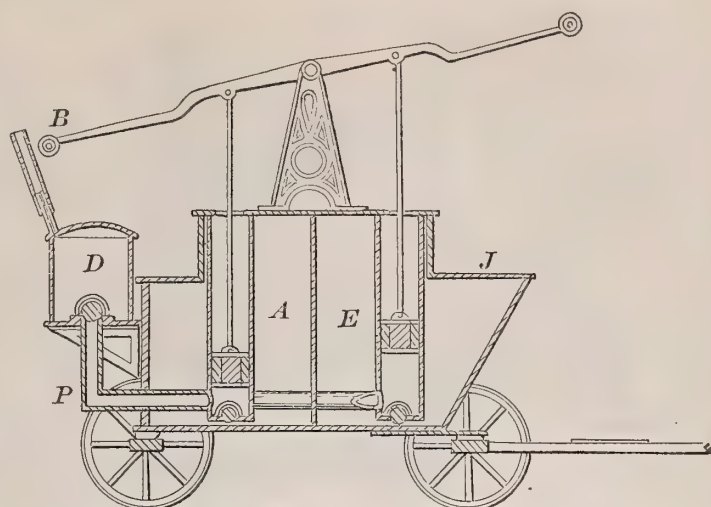


65230—J. H. Irwin—*Lamp.*65231—J. H. Jennings—*Rubber Boot for Horses.*65233—S. C. Ketchum—*Mincing Knife.*65232—E. Johnson—*Window Sash Fastener.*65234—S. P. Kingsley—*Churn.*65237—E. M. Krum—*Horse Hay Fork.*65236—H. C. Koehensperger—*Holder and Seat for Wagon Brakes.*

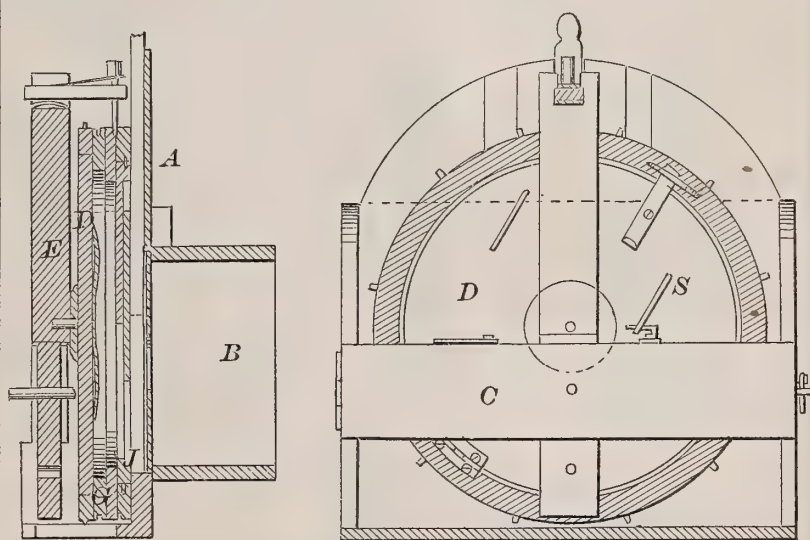
65238—J. Laing—*Faucet.*



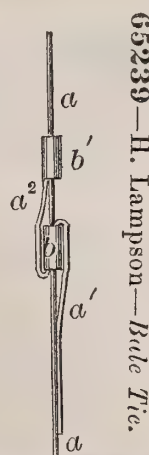
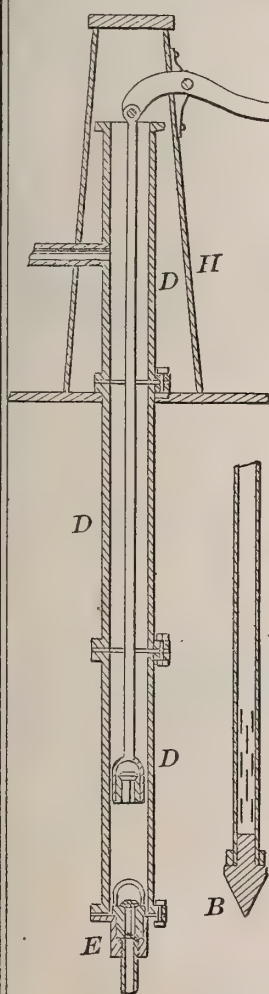
65240—Lapham & Clark—*Chemical Fire Engine.*



65243—J. Lawrence—*Tablet for Multiplying Photographs.*

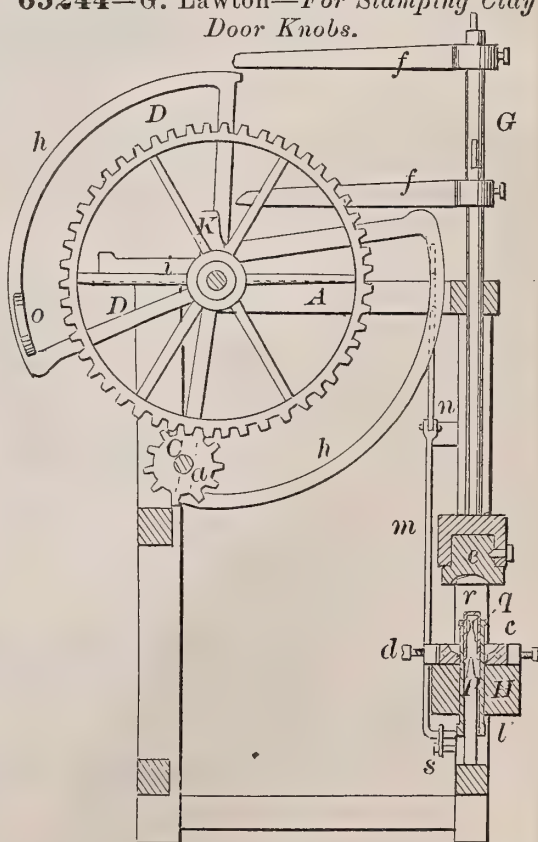


65241—C. H. Latham—*Tube Well.*

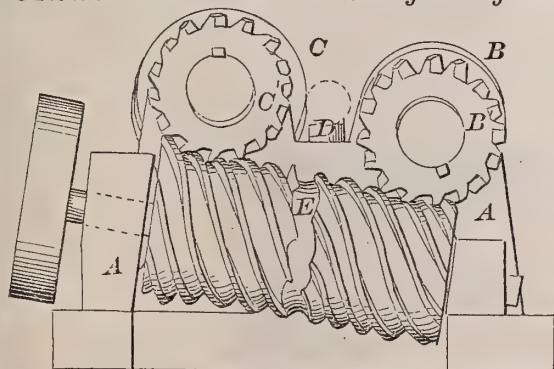


65239—H. Lampson—*Tube Tie.*

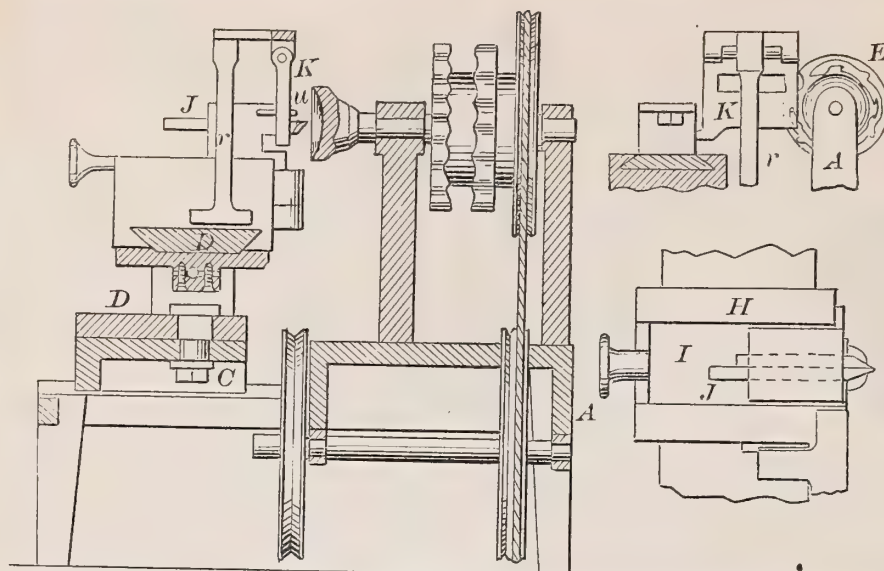
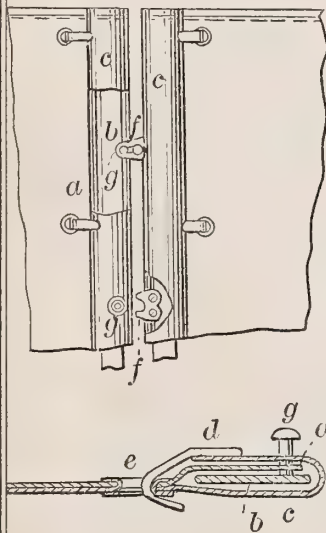
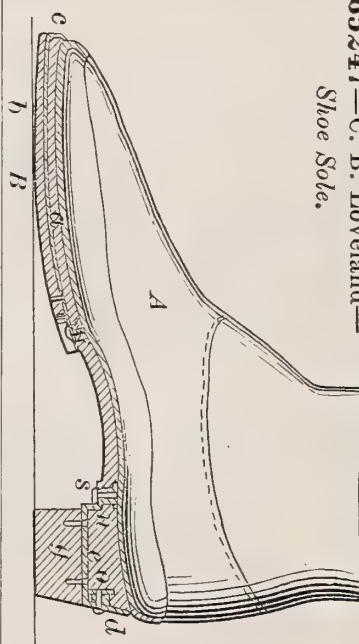
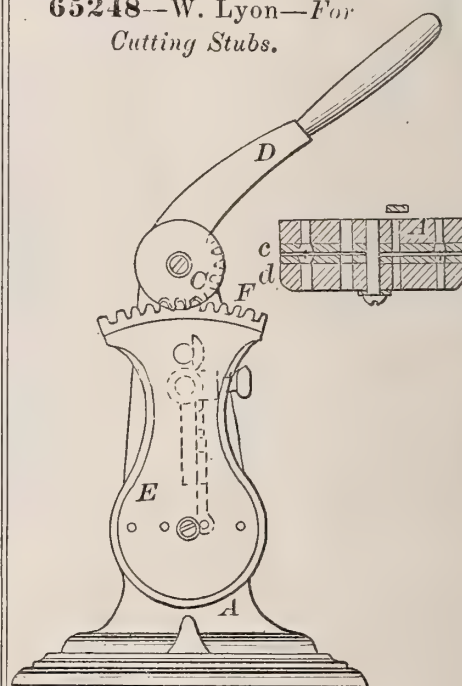
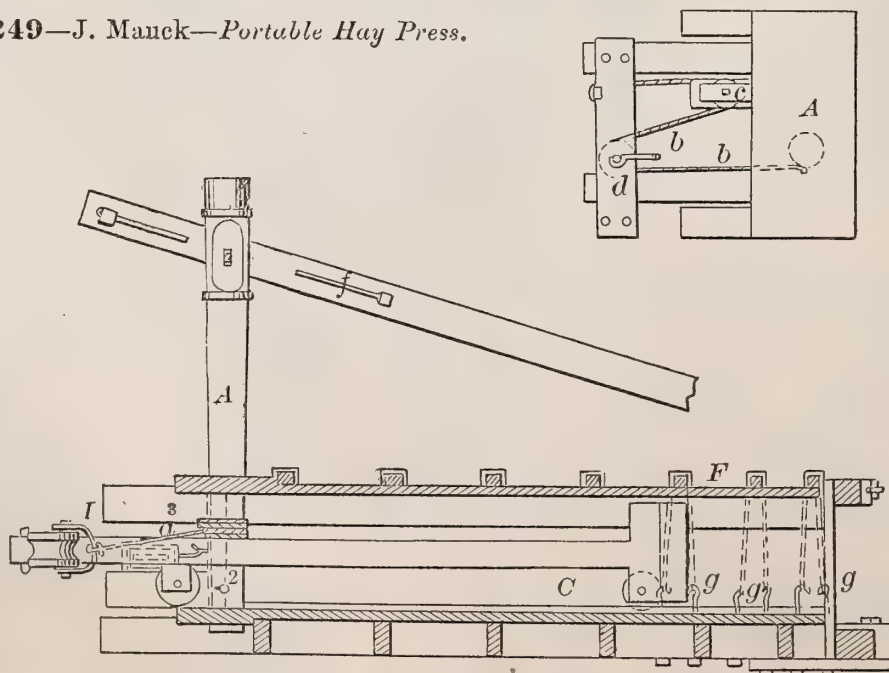
65244—G. Lawton—*For Stamping Clay Door Knobs.*



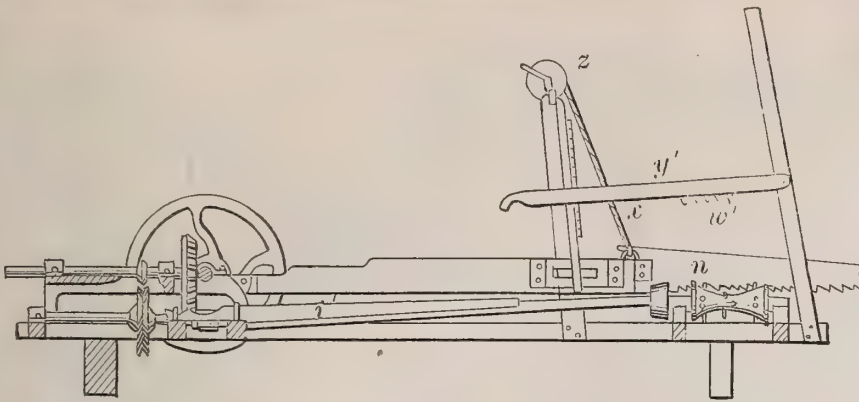
65242—G. Lauder—*For Straightening Bars.*



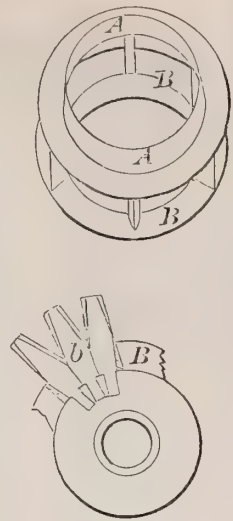


65245—T. Lippiatt—*Rose Engine Lathe.*65250—G. W. McGill—*Button.*65246—J. P. Love—*Corset Fastening.*65247—C. B. Loveland—*Shoe Sole.*65248—W. Lyon—*For Cutting Stubs.*65249—J. Manek—*Portable Hay Press.*

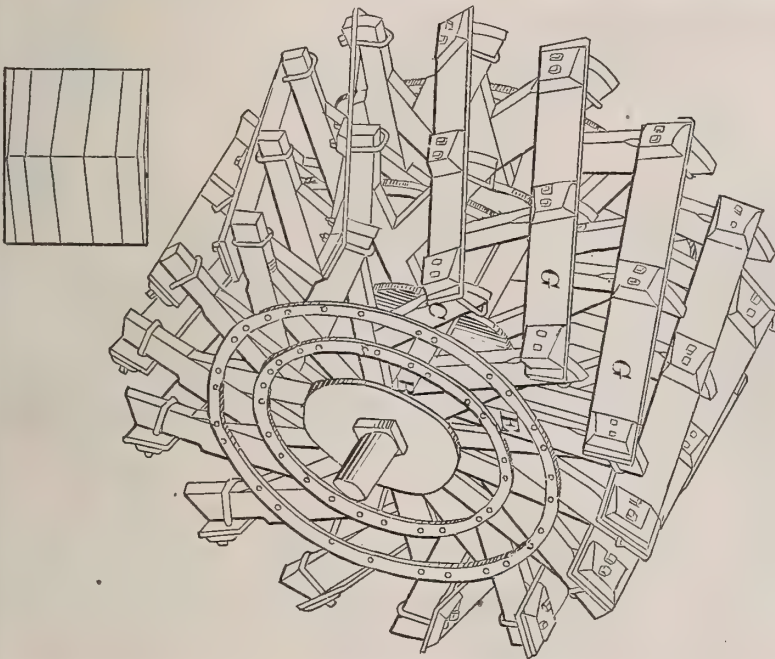
65251—R. M. McGrath—*Sawing Machine.*



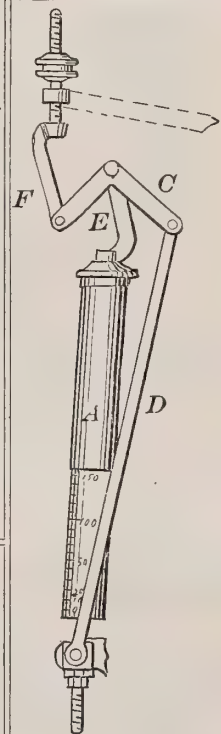
65257—W. F. Morton—*Carriage Wheel.*



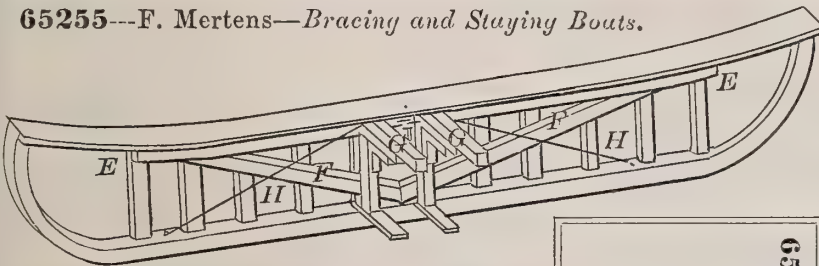
65252—A. McKenzie—*Paddle Wheel.*



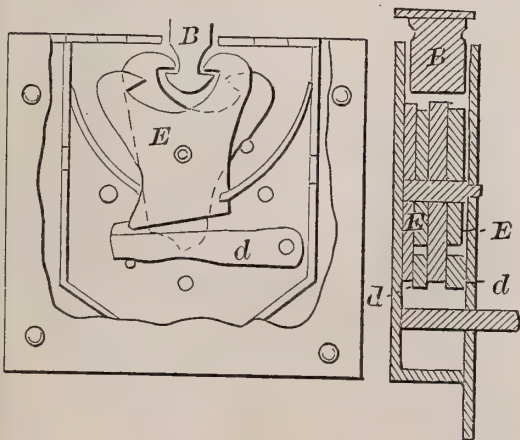
65254—E. Meggenhofen—*Steam Safety Valve.*



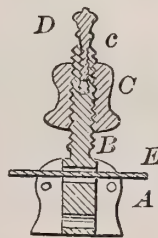
65255—F. Mertens—*Bracing and Staying Bouts.*



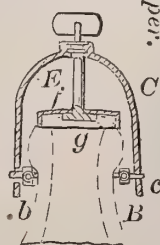
65261—J. Nock—*Trunk Lock.*



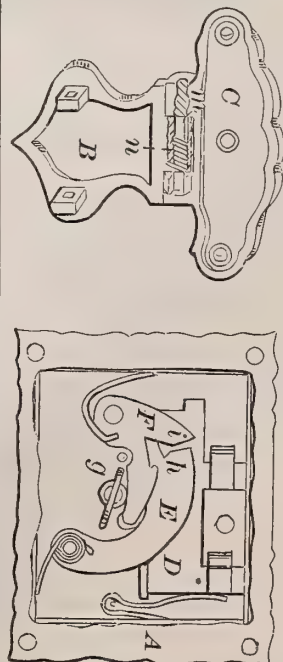
65253—G. L. McKnight—*Calipers.*



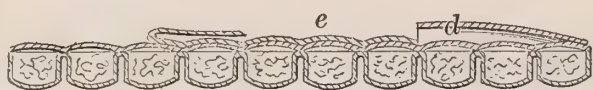
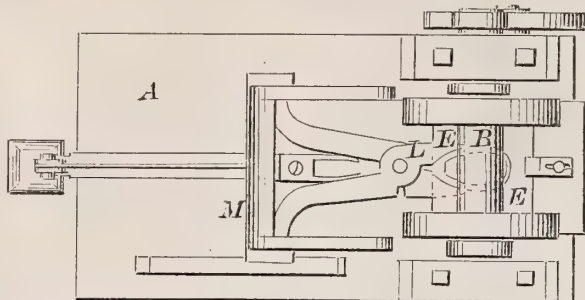
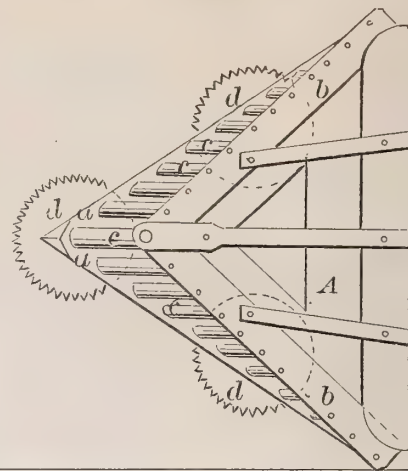
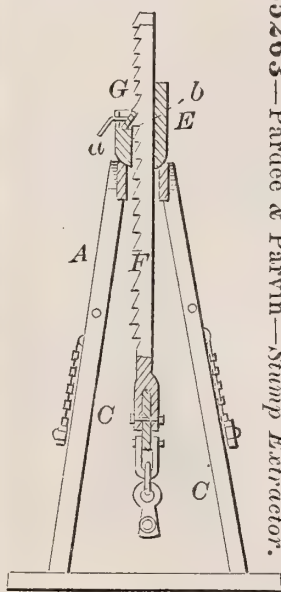
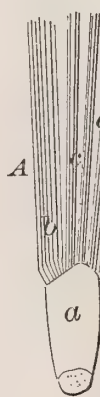
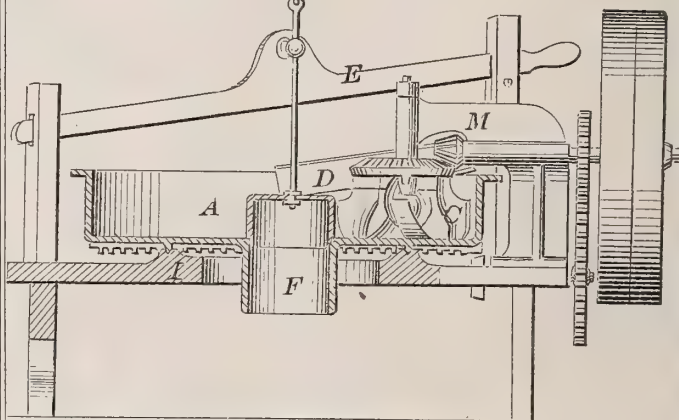
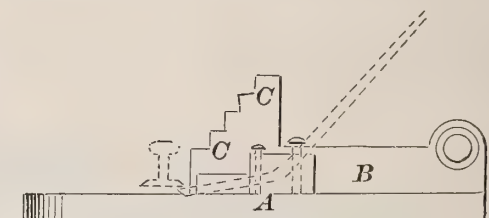
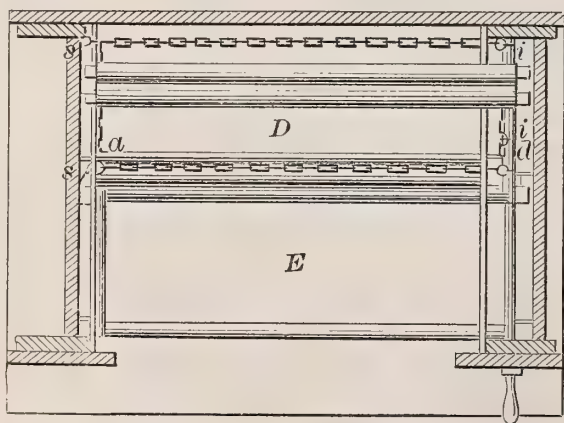
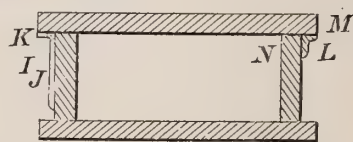
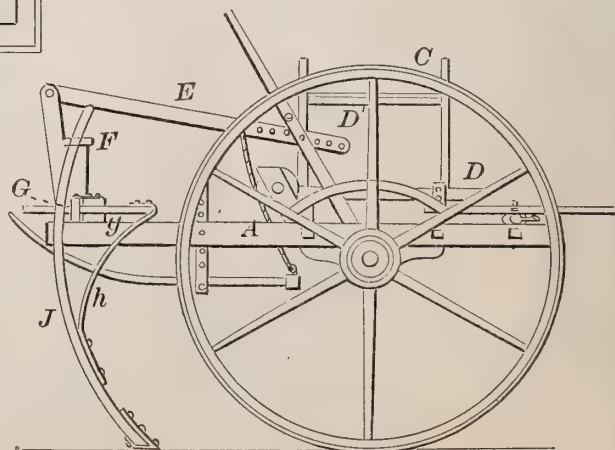
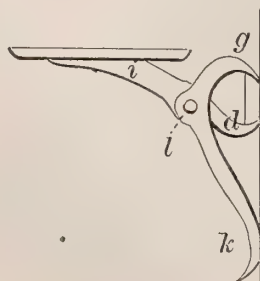
65259—J. Nathan—*Bottle Stopper.*



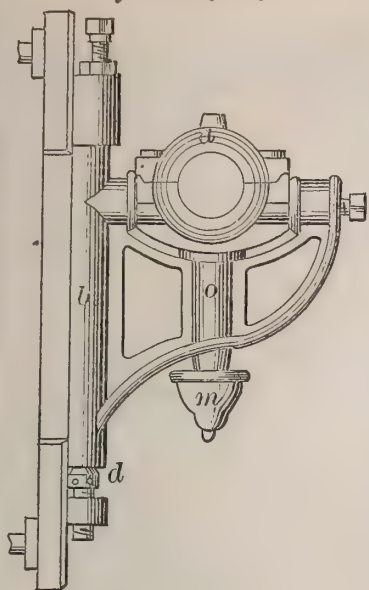
65260—J. Nock—*Trunk Lock.*



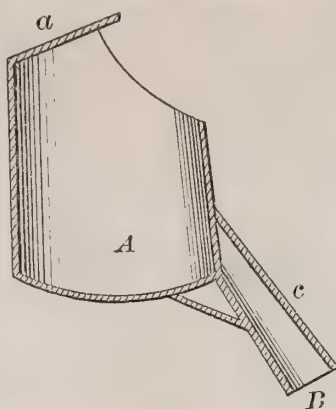


65262—P. N. Ouroussoff—*Portable Camp Bed.*65265—Perkins & Comstock—*Horse Shoe Machine.*65264—B. F. Partridge—*Locomotive Pilot.*65263—Pardee & Parvin—*Stump Extractor.*65266—F. Perrin—*Palm Leaf Wasp and Wool for Weaving.*65268—R. Poole—*Machine for Rubbing and Mixing Paints, Chemicals, &c.*65269—S. L. Porter—*Raising and Leveling Railroad Rails.*65272—B. F. Rice—*Portable Shelf.*65270—E. Queru—*Box for Tooth Powder.*65271—J. S. Randall—*Horse Rake.*65273—B. F. Rice—*Portable Shelf.*

65274—J. Richards—*Hanger for Shafting.*



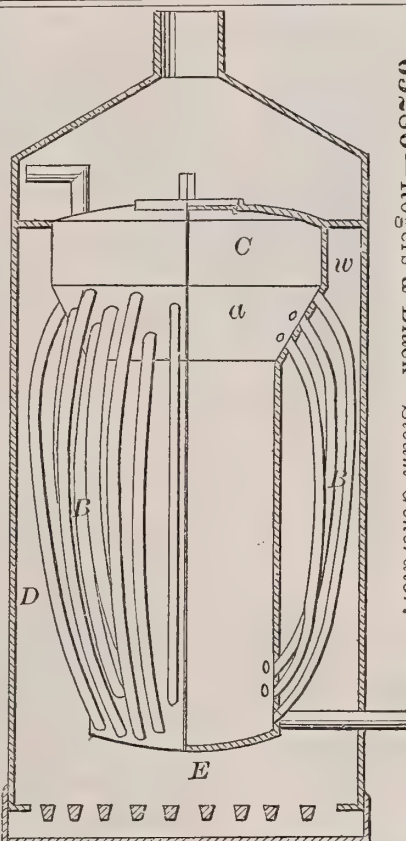
65279—O. P. Rogers—*Fruit Picker.*



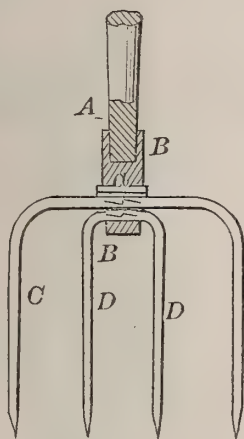
65276—J. W. Ricker—*Tube Well.*



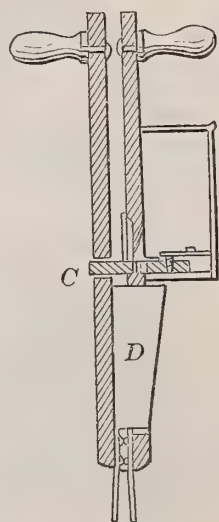
65280—Rogers & Black—*Steam Generator.*



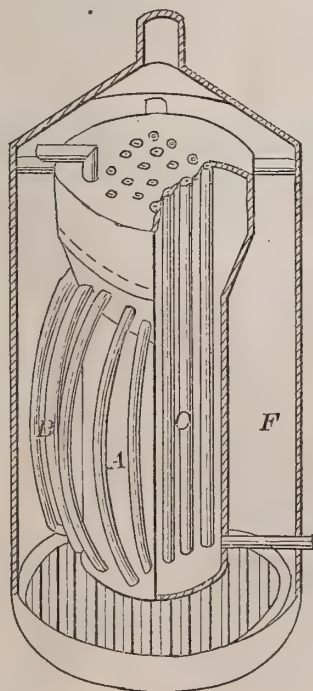
65277—J. P. W. Riley—*Securing Tines of Forks to Handles.*



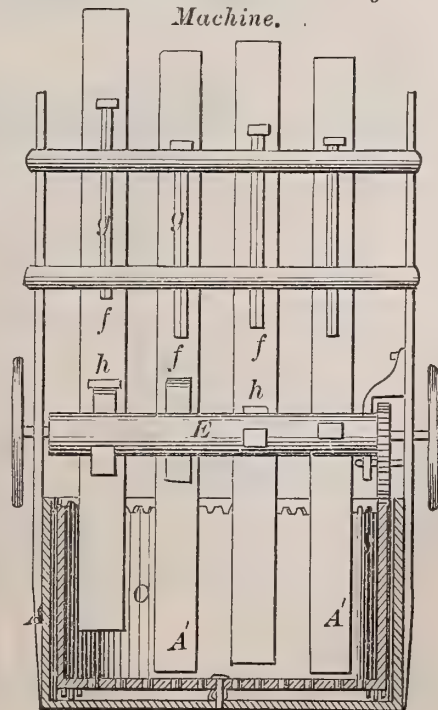
65278—B. F. Robertson—*Corn Planter.*



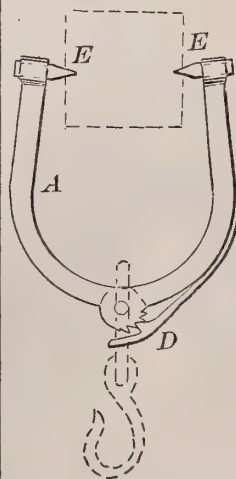
65281—Rogers & Black—*Steam Generator.*



65282—R. Rooke—*Washing Machine.*

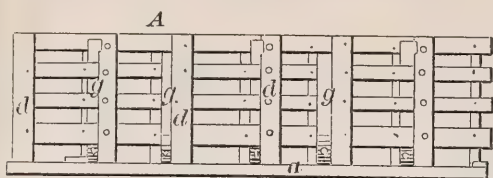


65283—W. S. Salisbury—*For Suspending Hay Forks.*

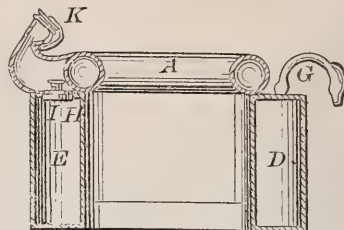




65284—J. W. Sanders—Fence.



65287—J. Shaw—Life Preserver.



65285—H. Sangster—Lantern.

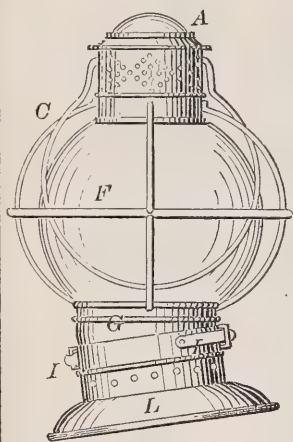
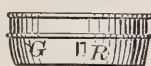
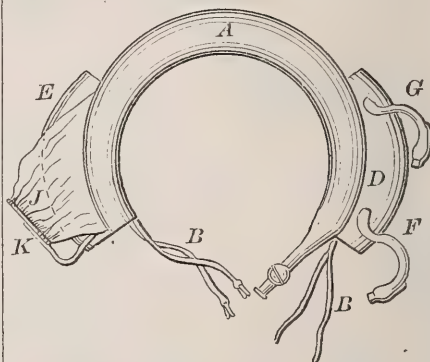
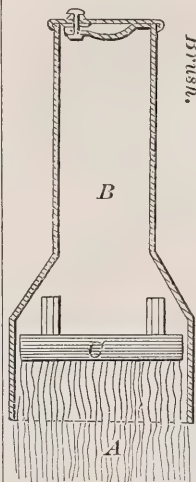


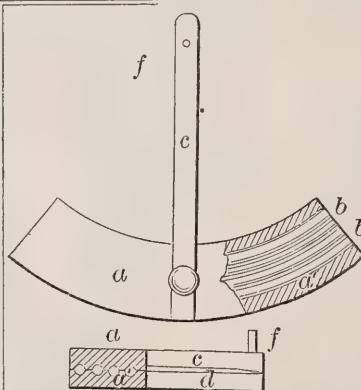
Fig. 5



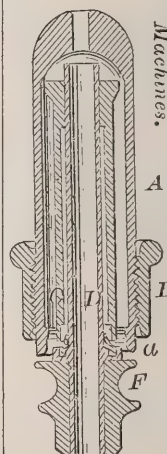
65290—W. Shriver—Reservoir Dumping Brush.



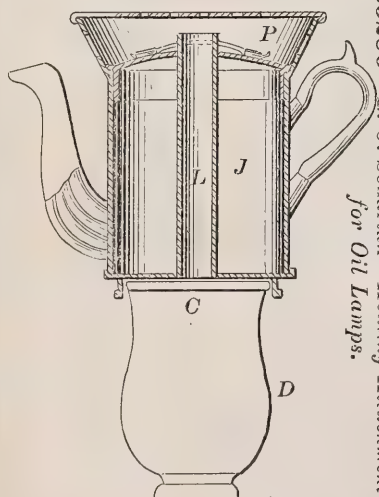
65288—J. H. Shaw—Pill Machine.



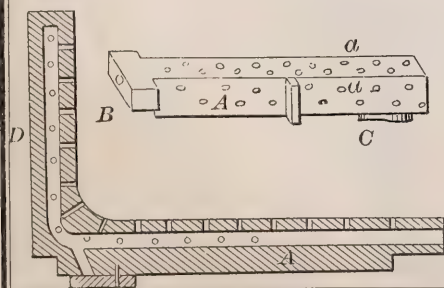
65291—J. Smith—Cop for Spinning Machines.



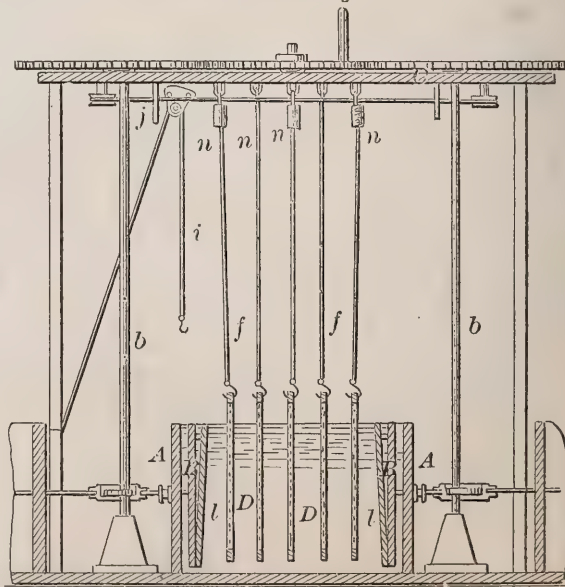
65286—E. O. Schartan—Heating Attachment for Oil Lamps.



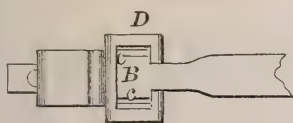
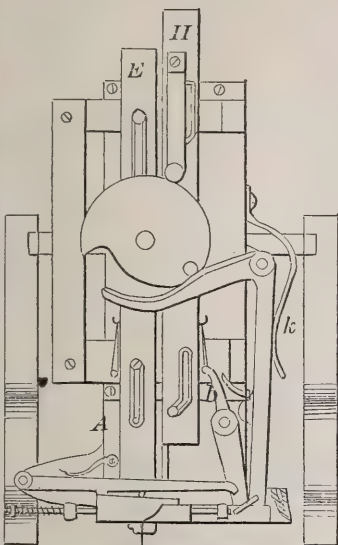
65289—J. Sherman—Grate Bar.



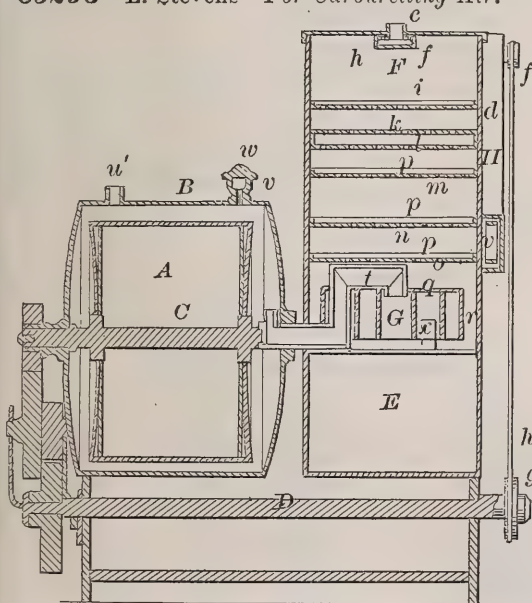
65292—A. Steers—For Tanning.



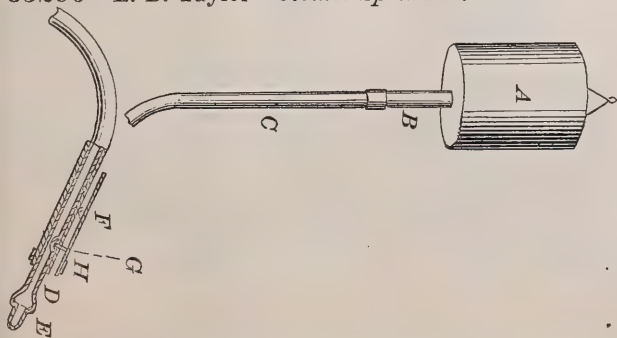
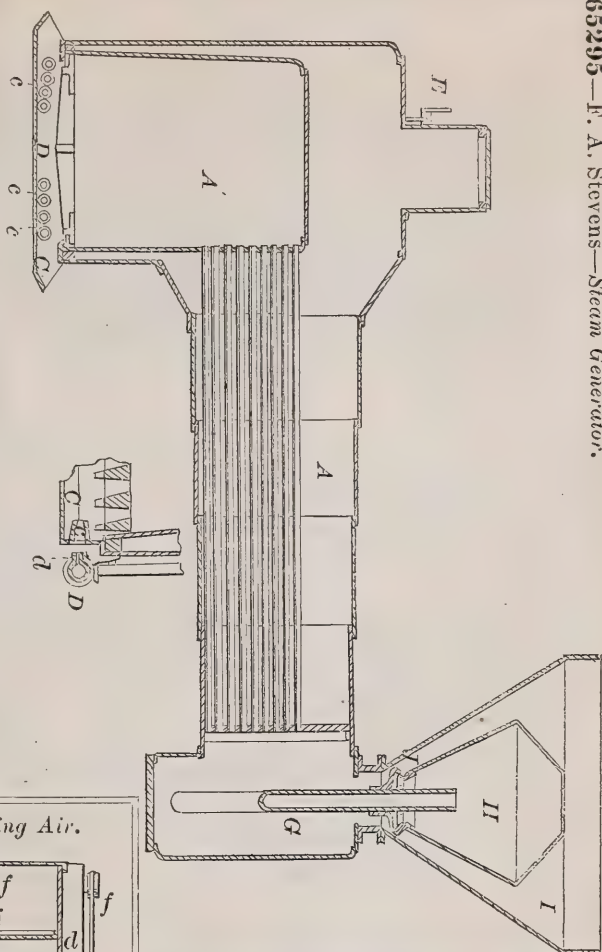
**65293—J. Stephen—***Shaft Coupling.*

65294—E. M. Stevens—*Pegging Machine.*

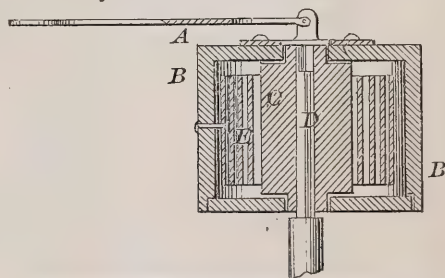
**65296**—L. Stevens—*For Carburetting Air.*



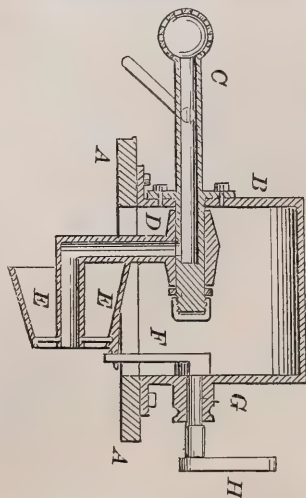
65299—E. B. Taylor—*Clothes Sprinkler.*

65295—F. A. Stevens—*Steam Generator.*

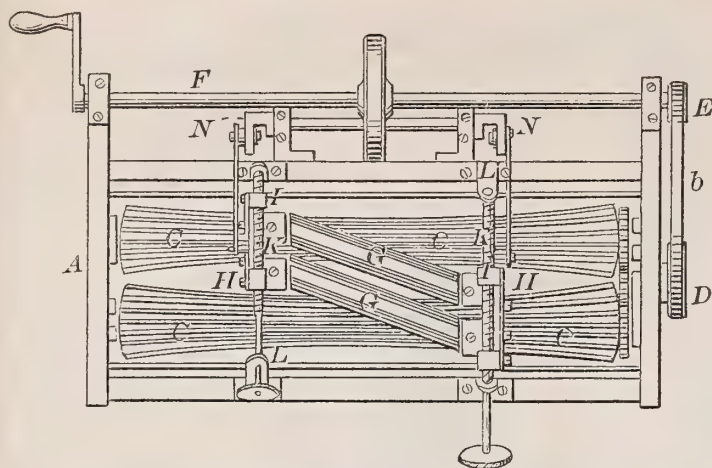
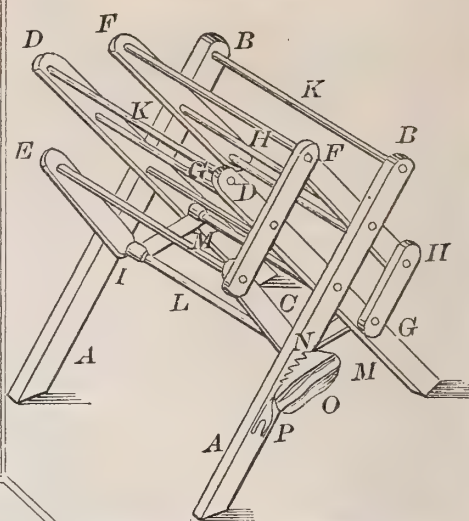
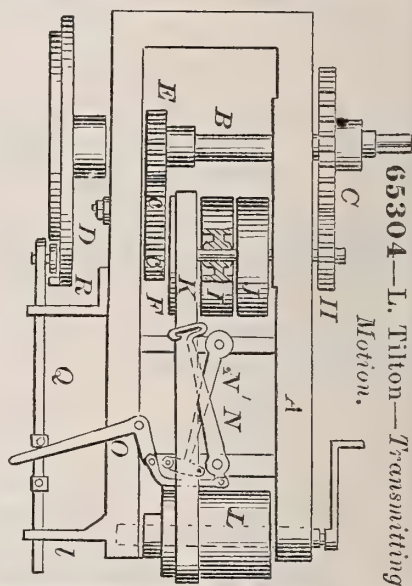
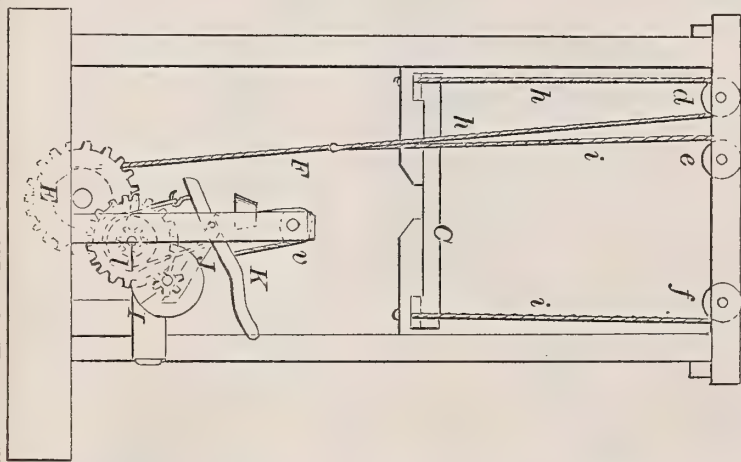
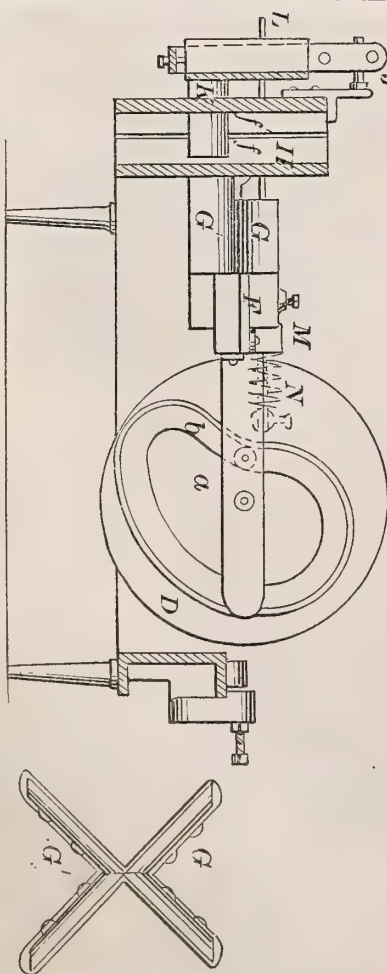
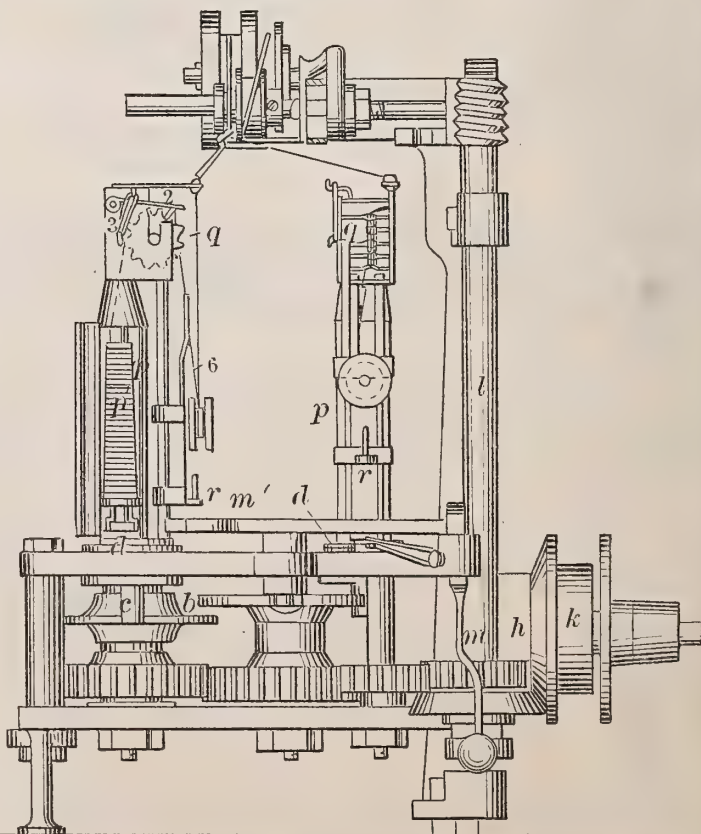
**65297**—A. Stewart—*Draft Equalizer for Horse Power.*



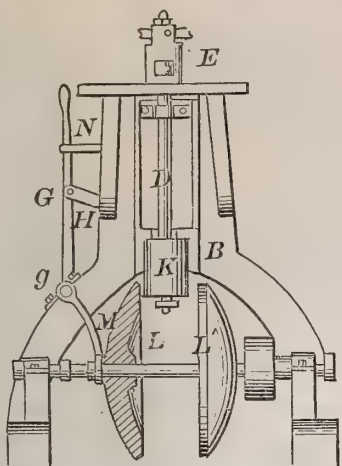
**65298—H. L. Stibbs—For Removing Water from the Holds of Vessels.**



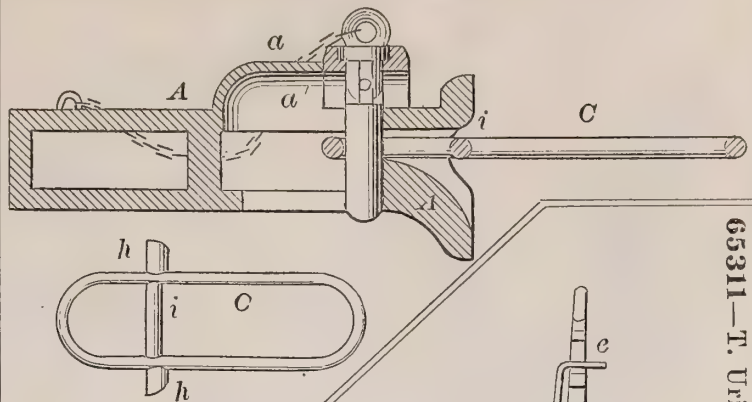


65300—J. S. Taylor—*For Sizing Hats, &c.*65305—S. H. Titus—*Clothes Dryer.*65307—J. W. Tucker—*Hoisting Machine.*65304—L. Tilton—*Transmitting Motion.*65303—L. Tilton—*Wood Splitting Machine.*65309—W. Tunstill—*Braiding Machine.*

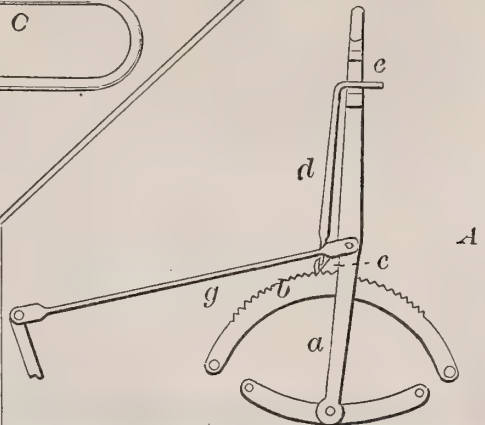
**65308**—W. Tucker—*Wood Planing Machine.*



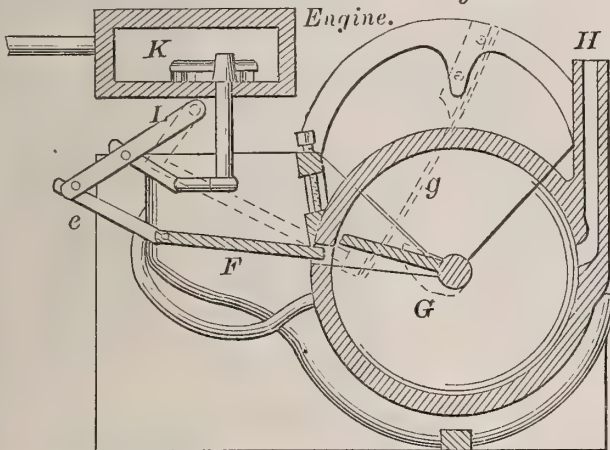
**65310**—E. A. Turner—*Car Coupling.*



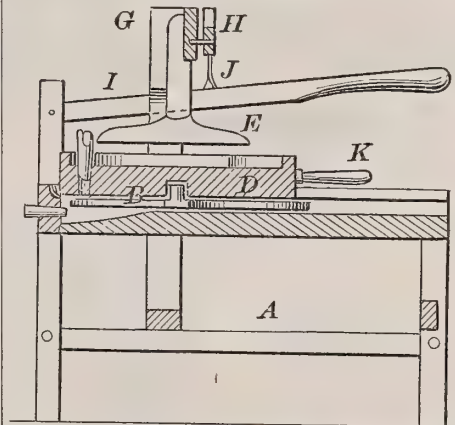
**65311**—T. Urie—*Wagon Brake Lock.*



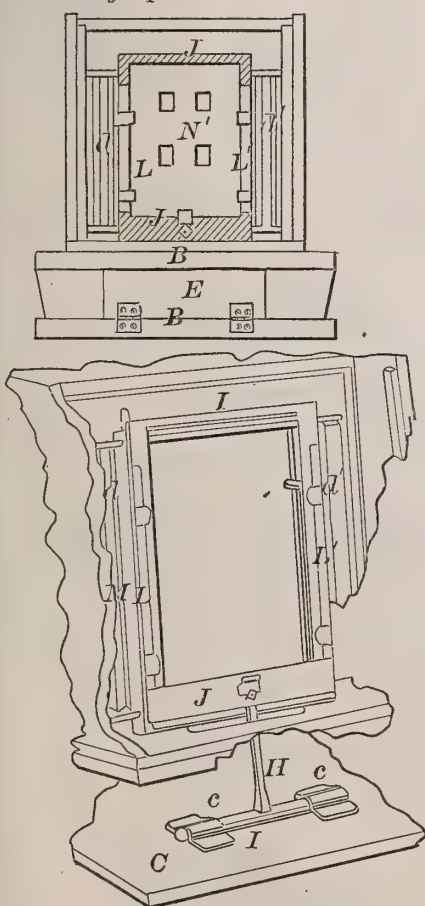
**65312**—Van Sandt & Hurt—*Rotary Steam Engine.*



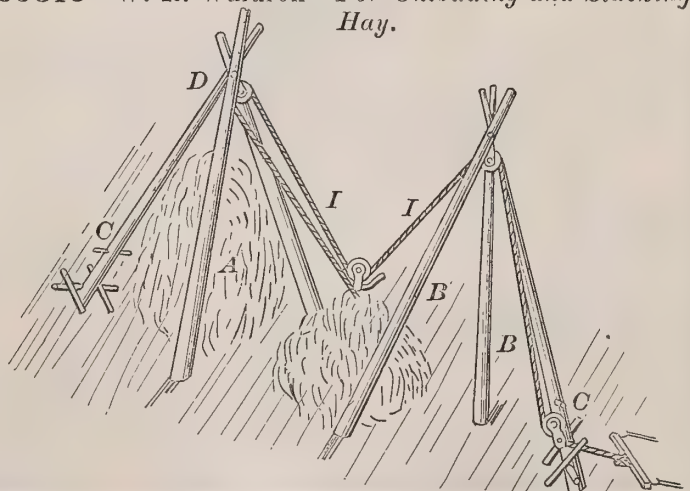
**65315**—S. H. Wade—*Butter Worker.*



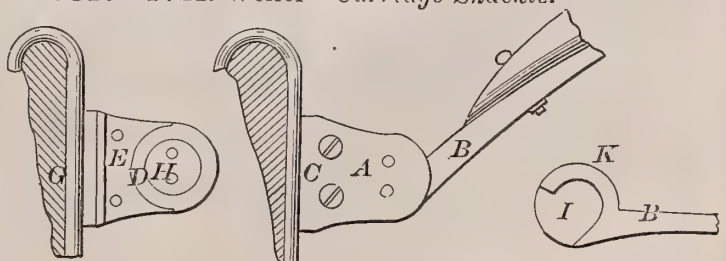
**65314**—G. W. Venner—*Photographic Camera.*



**65316**—W. R. Waldron—*For Unloading and Stacking Hay.*

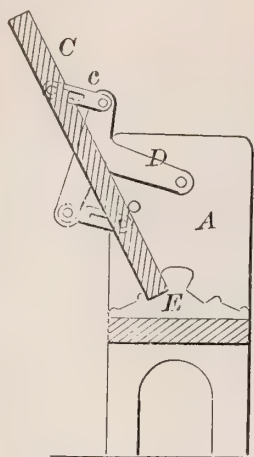


**65317**—F. M. Weller—*Carriage Shackle.*

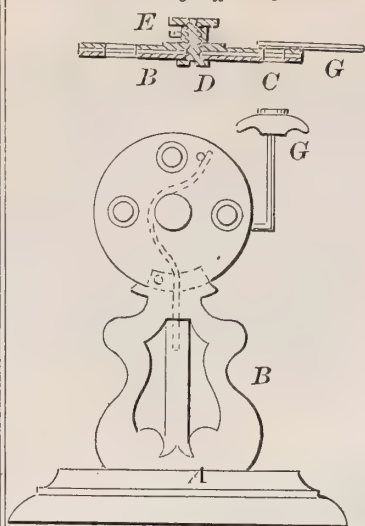




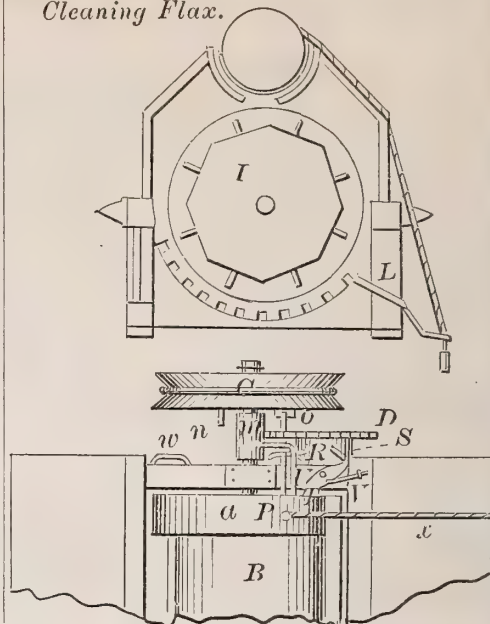
**65318**—J. S. Wheat—*Car Seat.*



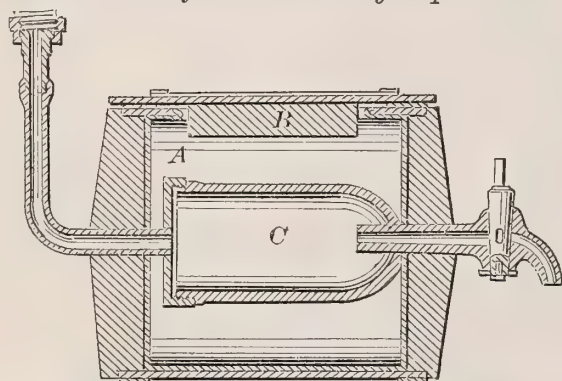
**65325**—Zern & Warwick—*For Cutting off Cigars.*



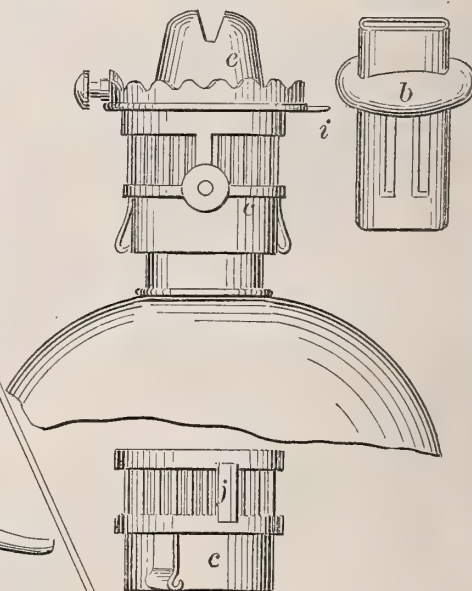
**65319**—W. W. Whiddit—*For Cleaning Flax.*



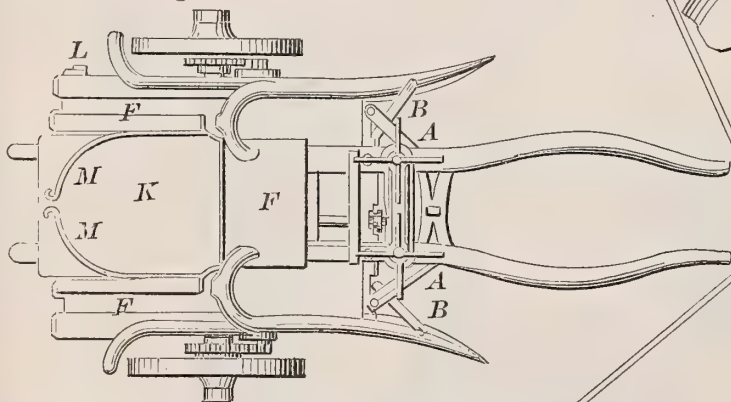
**65320**—E. Whyte—*For Cooling Liquids.*



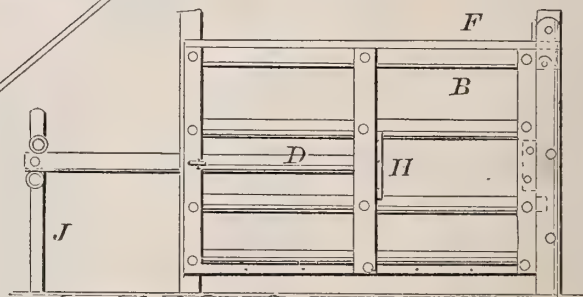
**65322**—J. B. Wortham—*Lamp Burner.*



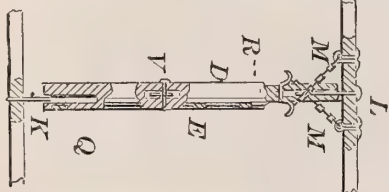
**65324**—Wright & Johnson—*Corn Harvester.*



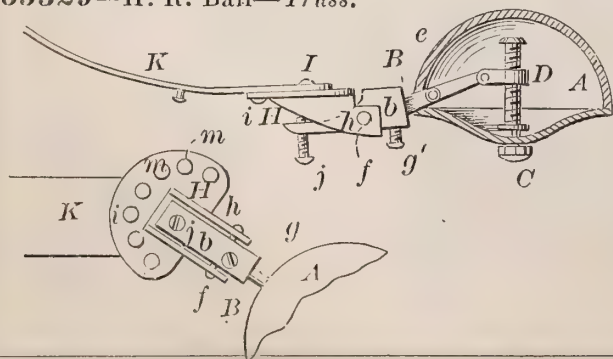
**65326**—P. M. Ackerman—*Gate.*



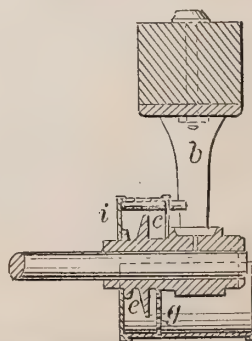
**65327**—J. B. Alexander—*Gate.*



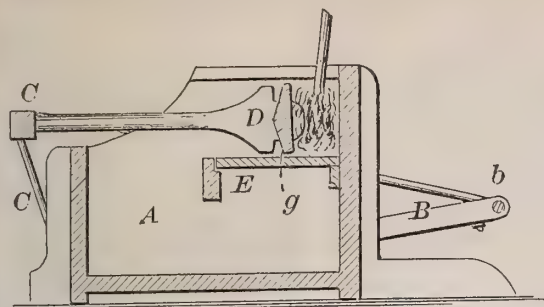
**65329**—H. R. Ball—*Truss.*



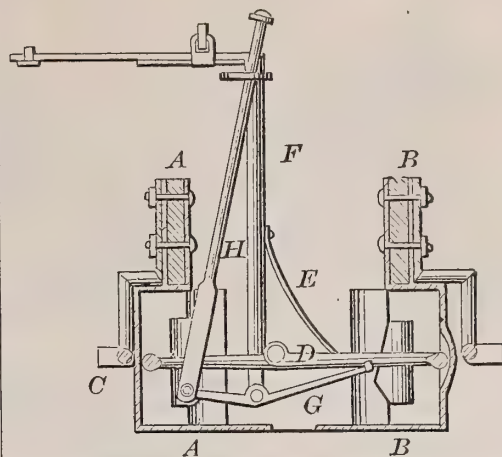
**65328**—J. Bachelder—*Self Lubricator.*



65330—O. C. Barnes—Mop Wringer.



65331—J. B. Behrens—Car Coupling.



65333—A. B. Bérard—Manufacture of Steel.

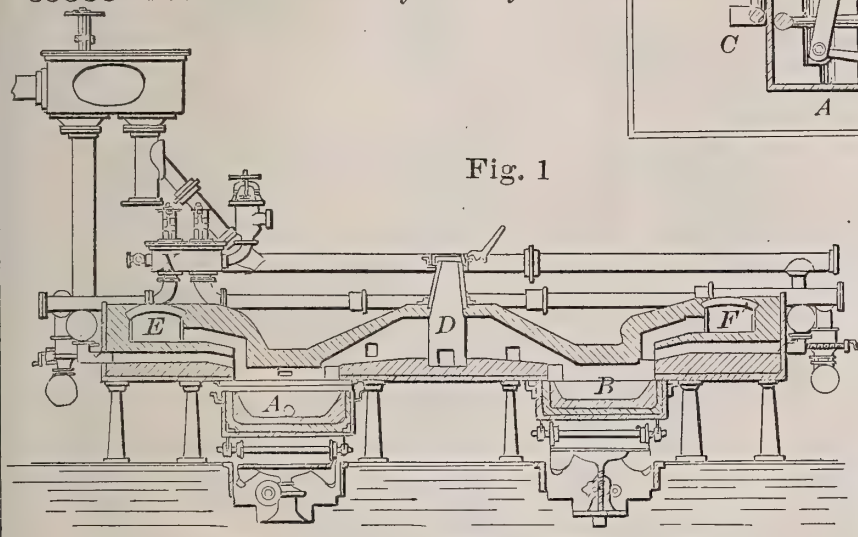


Fig. 1

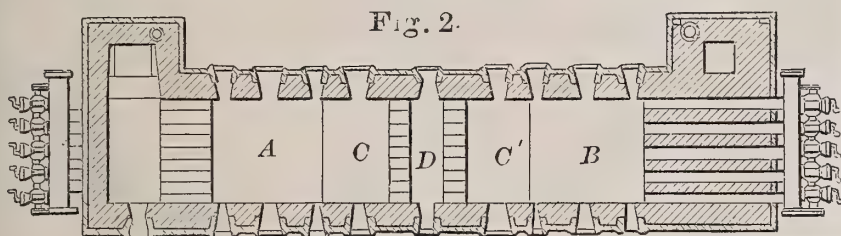
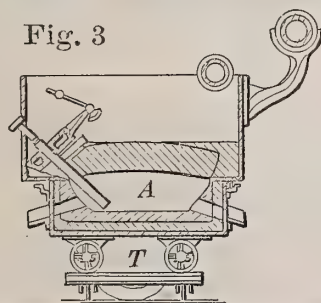
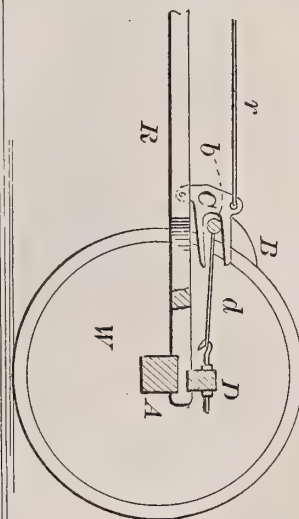


Fig. 2.

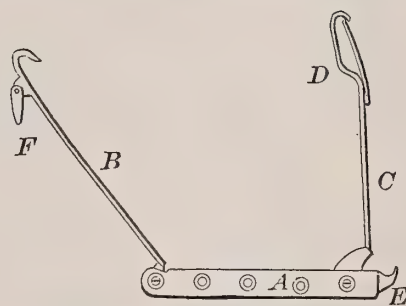
Fig. 3



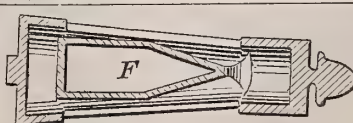
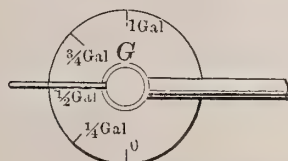
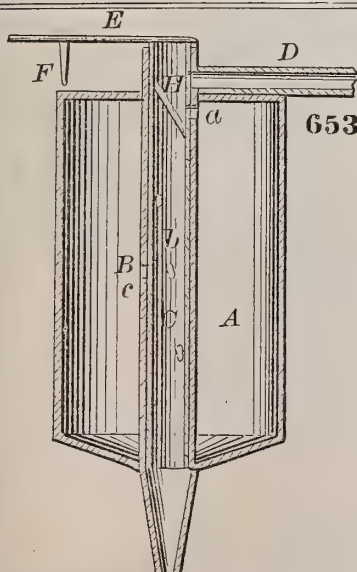
65332—Bennet & Drake—Wagon Brake.



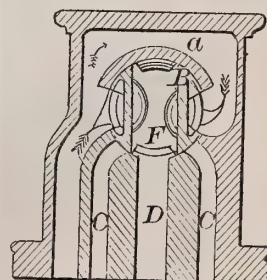
65334—M. T. Briggs—Hame Strap.



65335—P. Brinkerhoff—Liquid Measure.

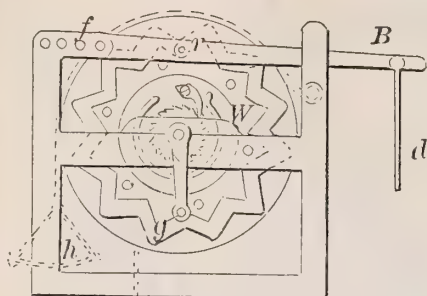


65336—R. F. Brown—Steam Rotary Valve.

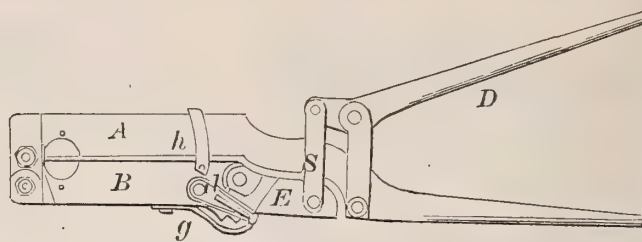




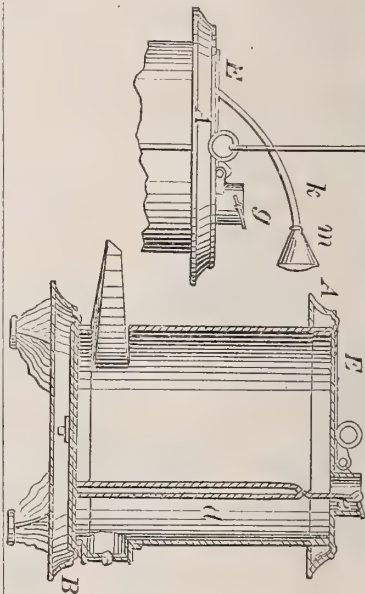
65337—J. Budd—Churn Power.



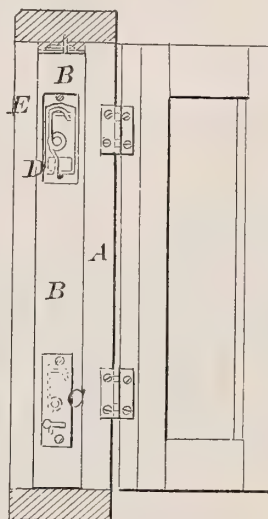
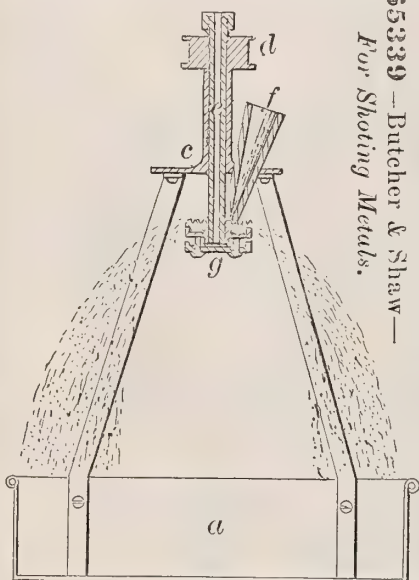
65338—M. D. Budd—Bolt and Rivet Trimmer.



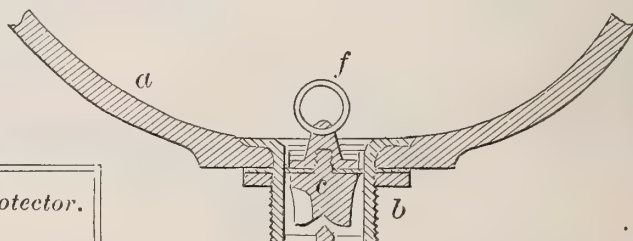
65341—Buttles &amp; Cowles—Yimms' Stove.



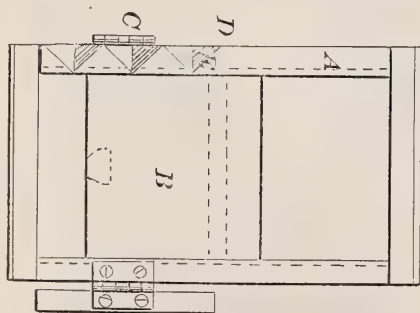
65340—C. E. Butler—Weather Strip.

65339—Butcher & Shaw—  
For Shooting Metals.

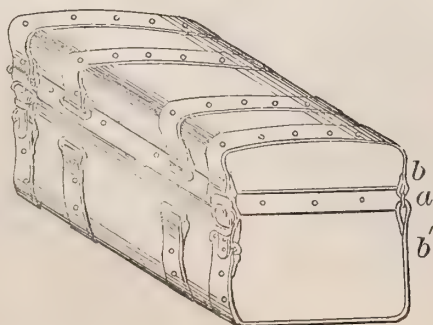
65343—W. S. Carr—Basin Plug.



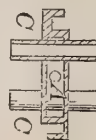
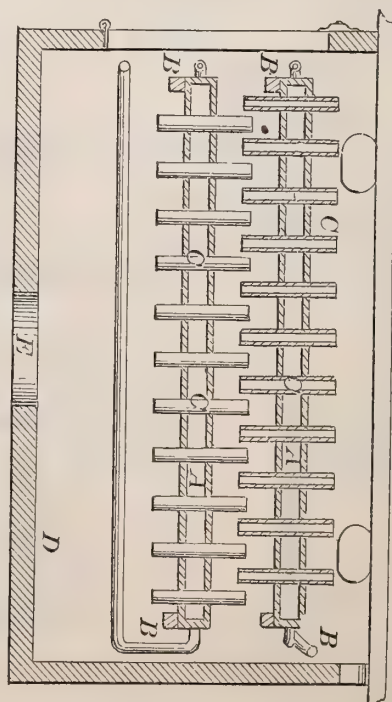
65342—H. G. Carr—Car Window Protector.



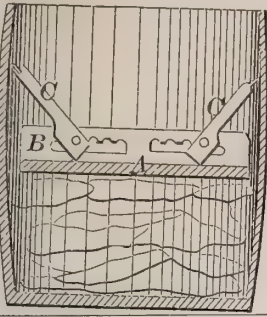
65344—E. P. Carter—Trunk.



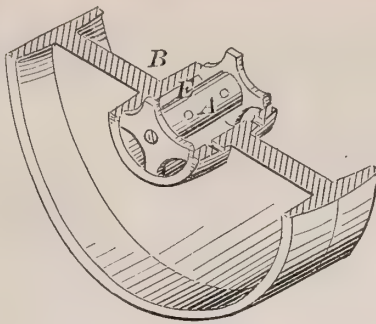
65345—A. Cary—Steam and Water Heating.



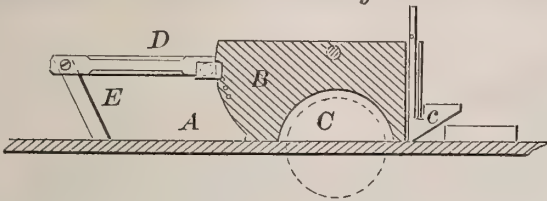
**65346**—H. L. Chase—*Tub and Barrel Cover.*



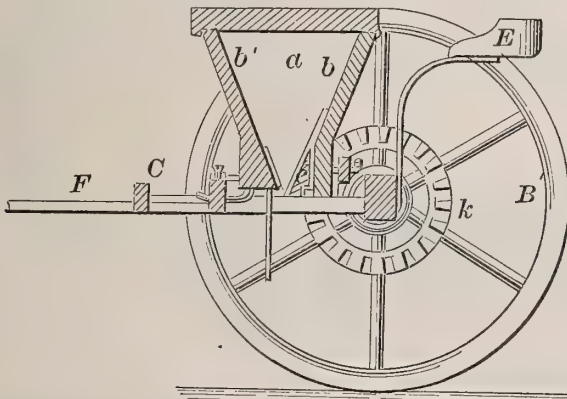
**65349**—W. W. Crane—*Self-Lubricating Pulley.*



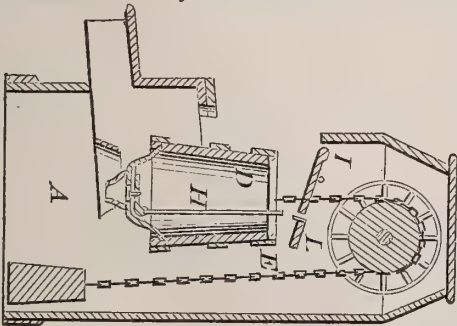
**65347**—J. W. Clark—*Guard for Circular Saws.*



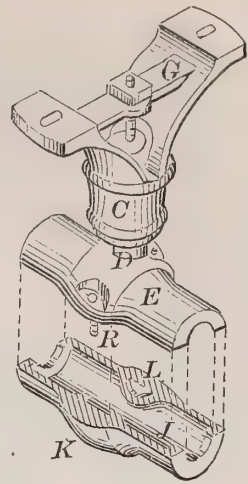
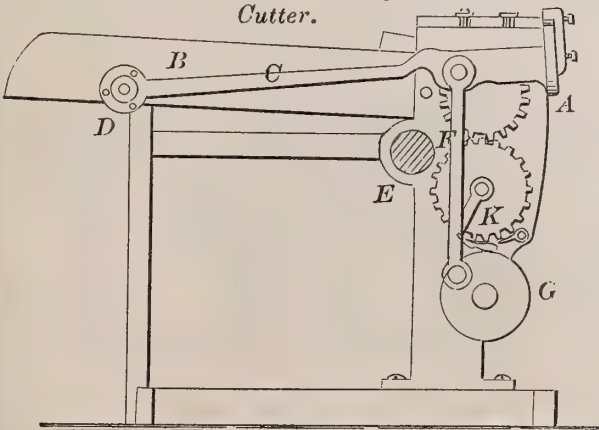
**65350**—F. P. Cullom—*Plaster Sower.*



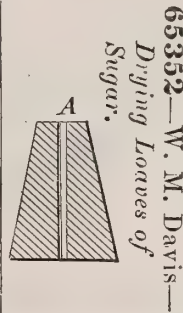
**65353**—J. Daykin—*Water Drawer.*



**65355**—J. H. Dickinson—*Hay and Straw Cutter.*

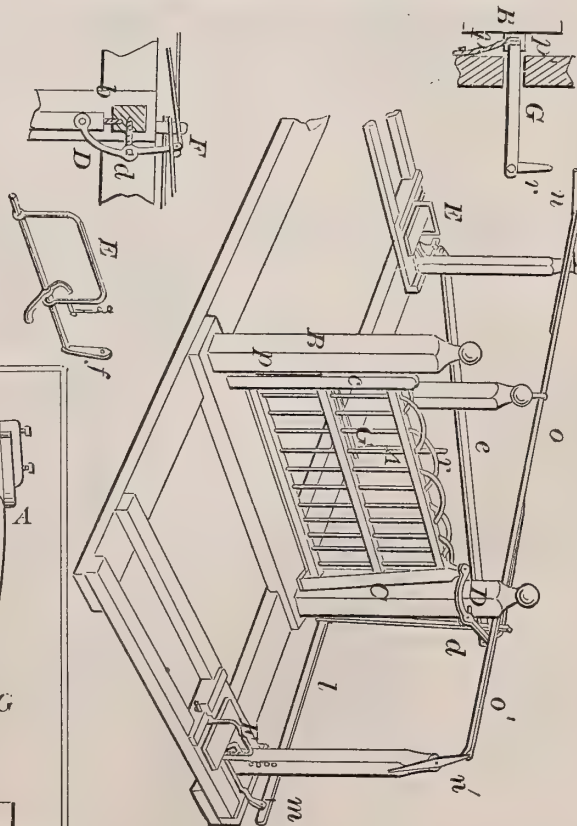
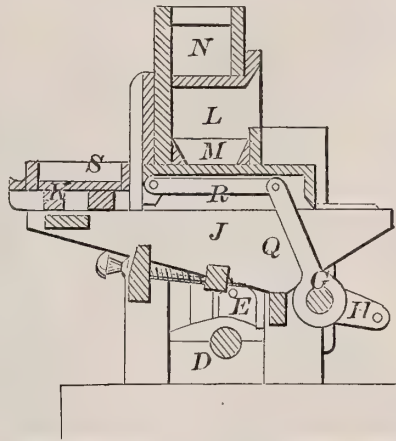


**65348**—W. W. Crane—*Self-Lubricating Hanger and Box for Shafting.*



**65352**—W. M. Davis—*Drying Loaves of Sugar.*

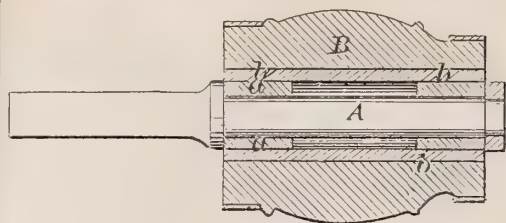
**65351**—J. B. Curtis—*Brick Machine.*



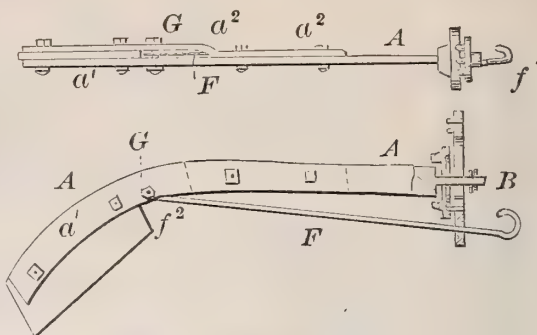
**65354**—J. Dickason—*Gate.*



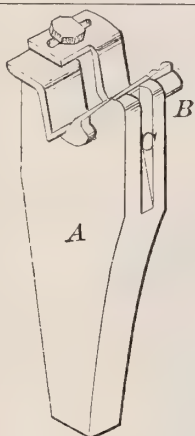
**65356**—G. W. Disman—*Soft Metal Bearing for Carriage Boxes.*



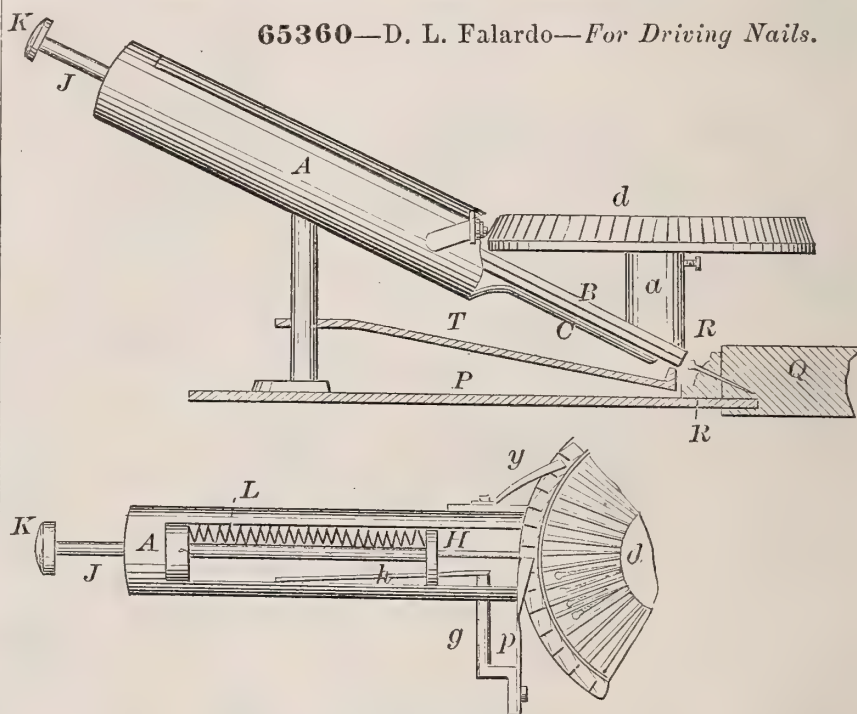
**65357**—W. Eddy—*Plow Beam.*



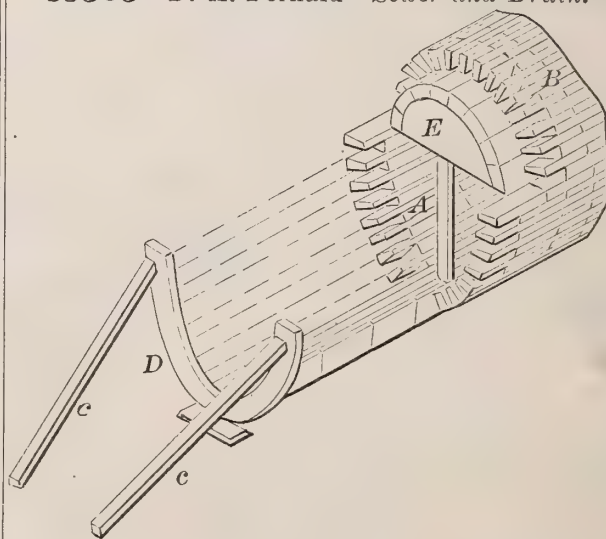
**65358**—J. E. Emerson—*Saw Set.*



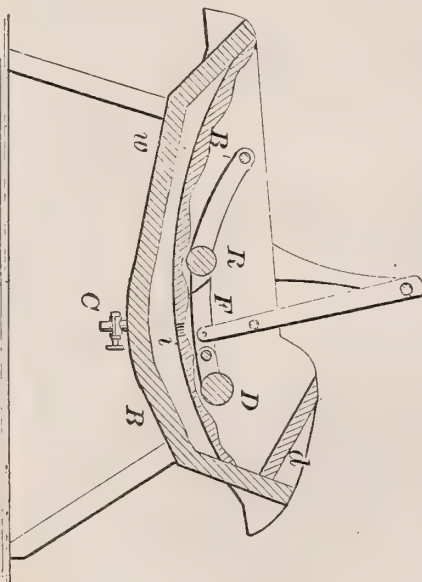
**65360**—D. L. Falardo—*For Driving Nails.*



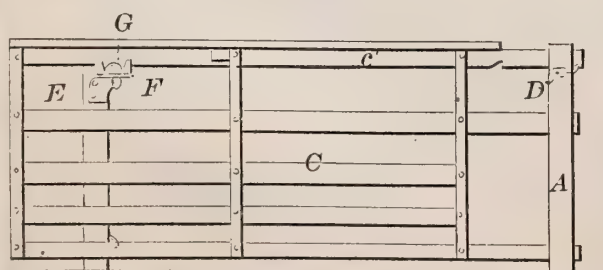
**65363**—D. H. Fernald—*Sewer and Drain.*



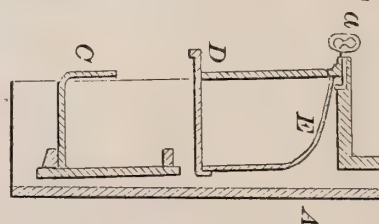
**65362**—M. S. Fellows—*Washing Machine.*



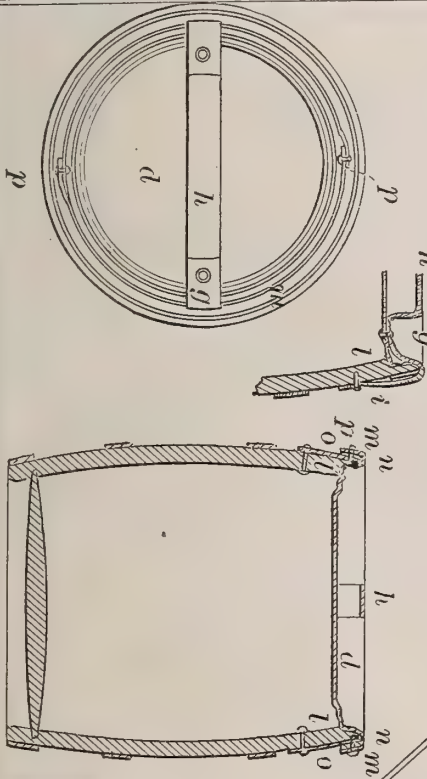
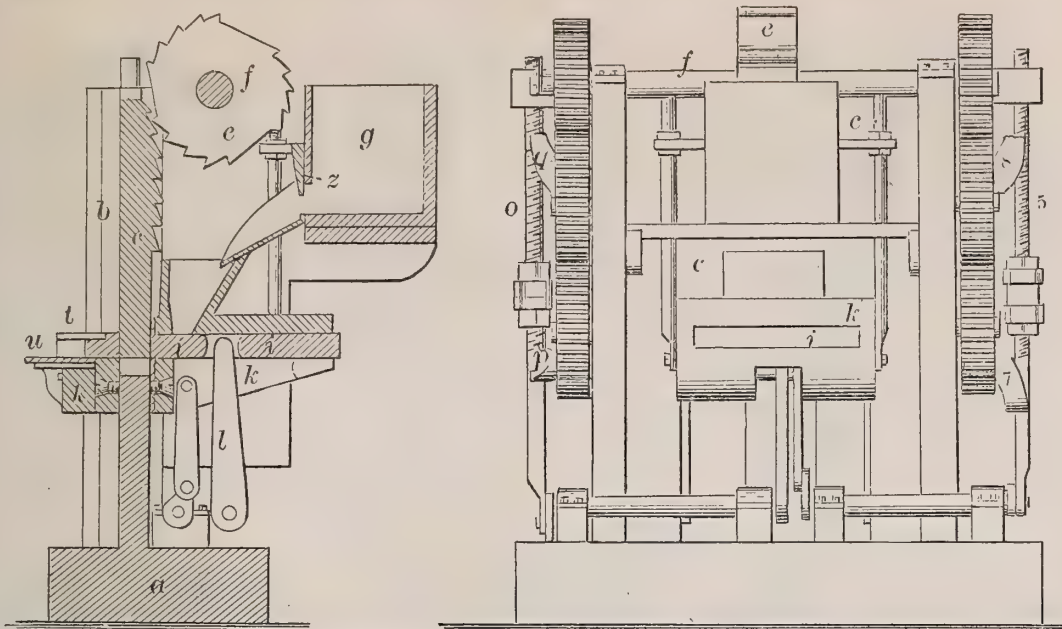
**65359**—Fairchild & Sadler—*Gate.*



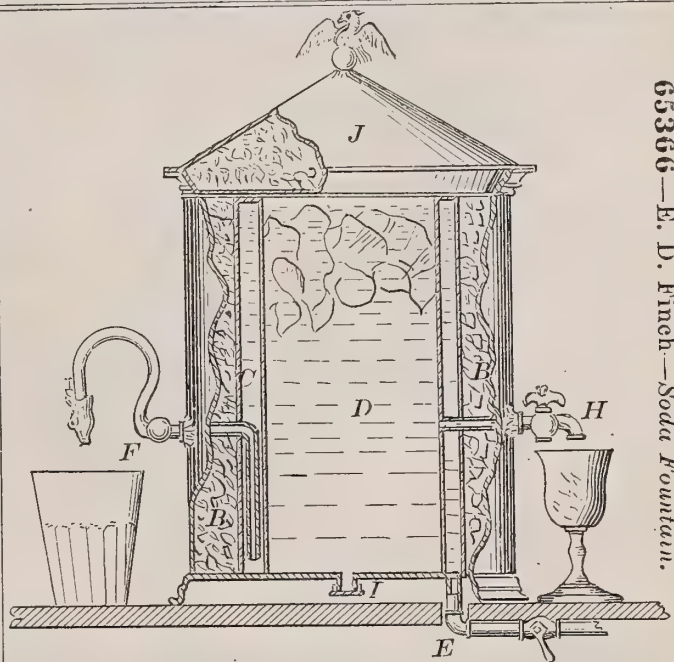
**65364**—J. U. Fiester—*Fireplace.*



65365—A. L. Finch—*Building Block Machinery.*

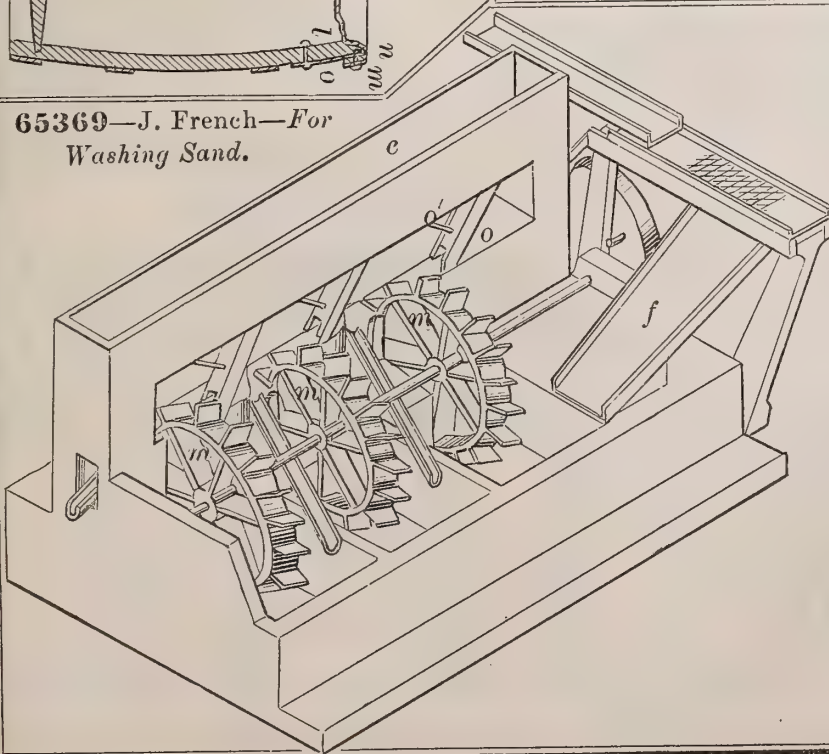


65368—A. L. Freeman—*Paint Key.*

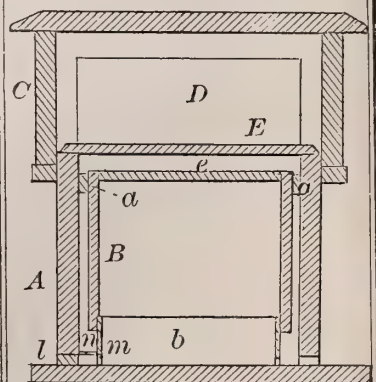


65366—E. D. Finch—*Soda Fountain.*

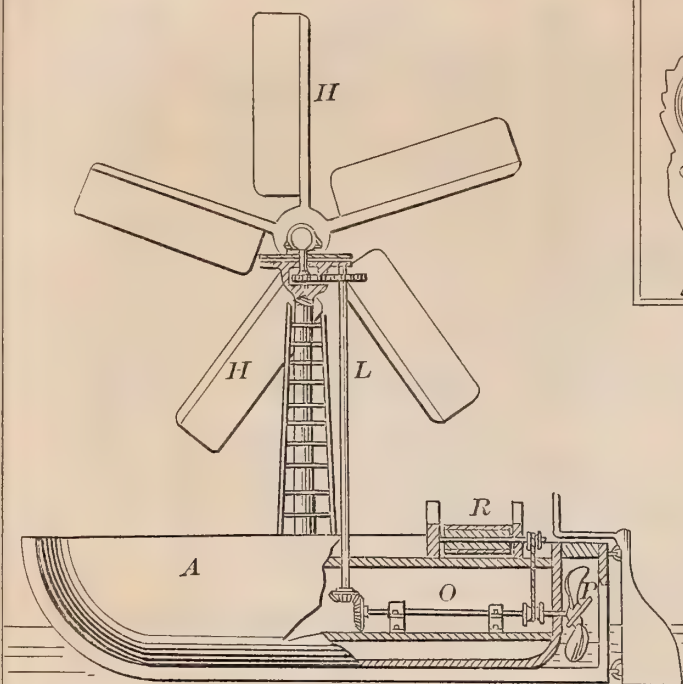
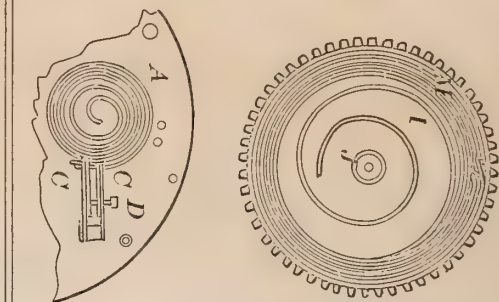
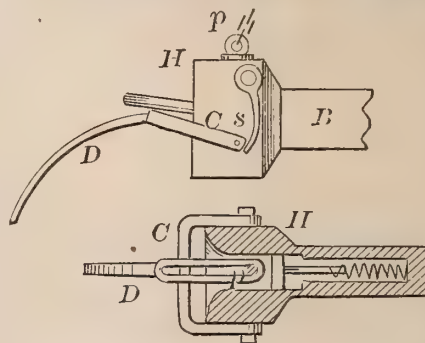
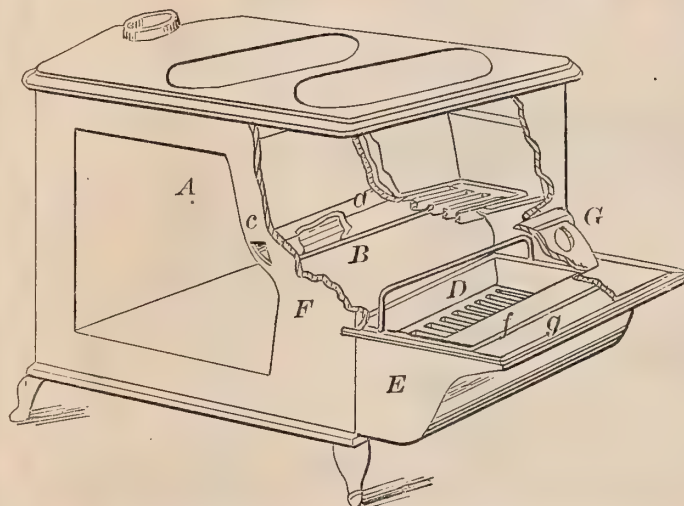
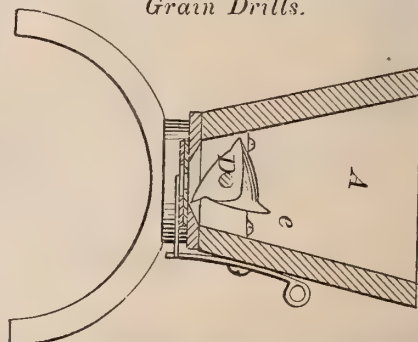
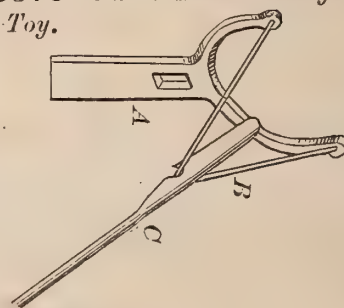
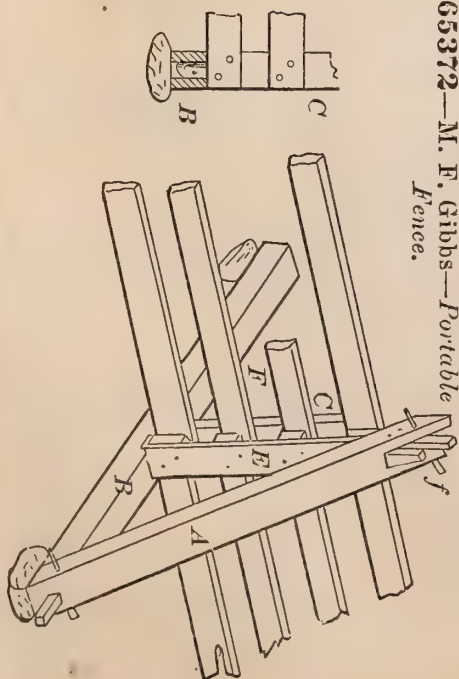
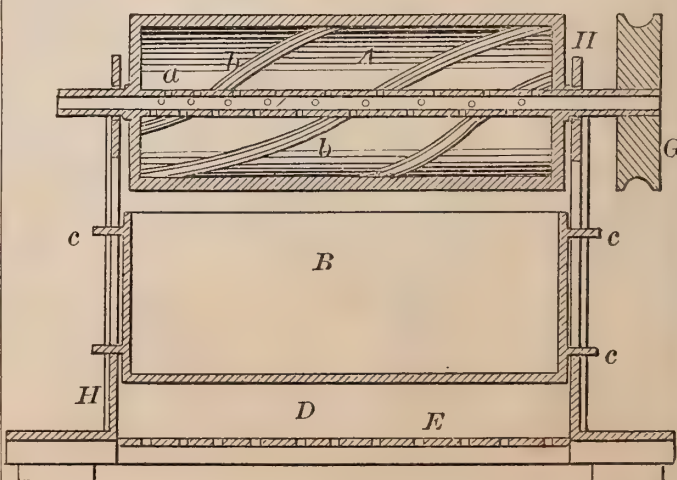
65369—J. French—*For Washing Sand.*



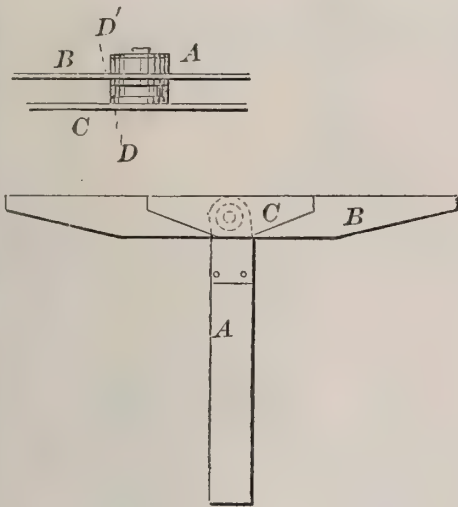
65367—E. A. Floyd—*Beehive.*



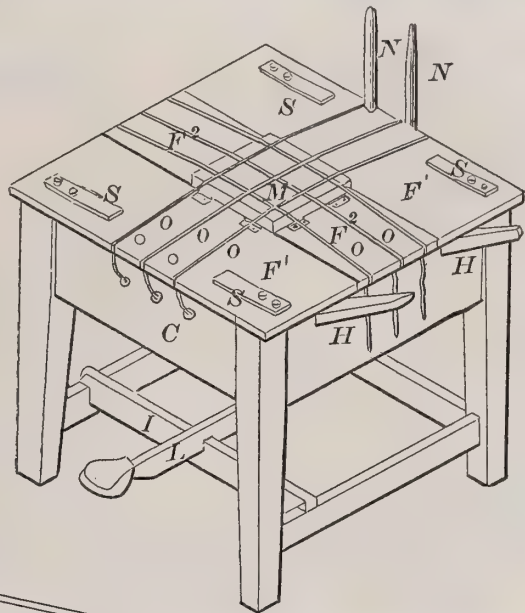


65370—H. Fromm—*Propeller.*65371—H. Ganney—*Watch.*65373—M. F. Gibbs—*Car Coupling.*65375—W. A. Greene—*Cooking Stove.*65374—C. H. Godfrey—*Seed Box for Grain Drills.*65376—H. C. Griffin—*Magic Arrow Toy.*65372—M. F. Gibbs—*Portable Fence.*65377—G. Guenther—*Drying Glue.*

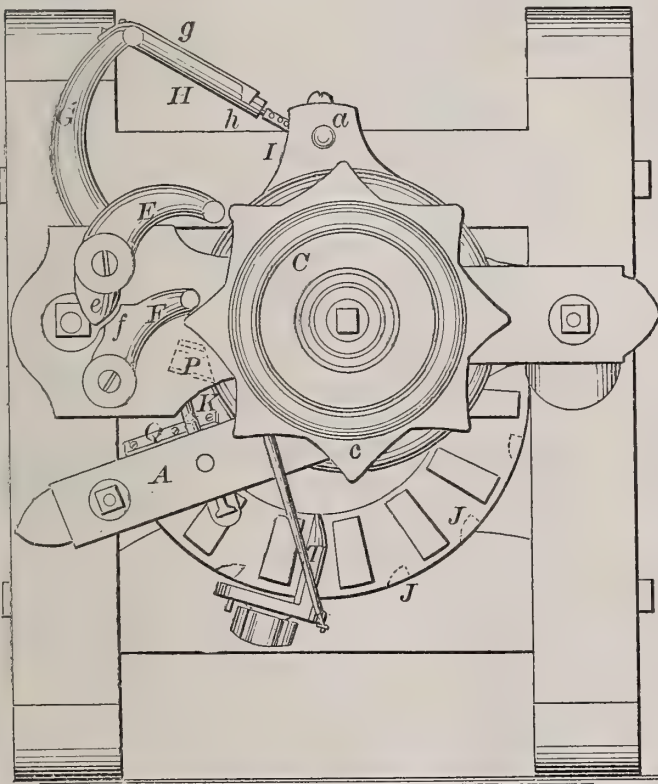
65378—G. Hall—*Clapboard Gauge.*



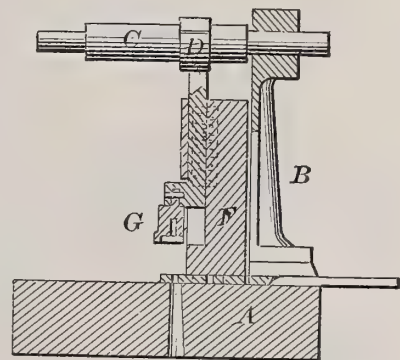
65379—W. S. Harris—*Wool Packing Table.*



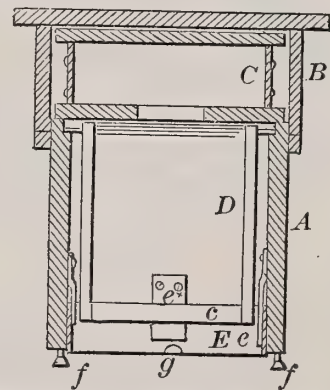
65383—Hotchkiss & Buss—*Brick Machine.*



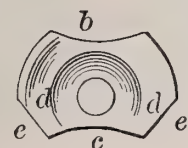
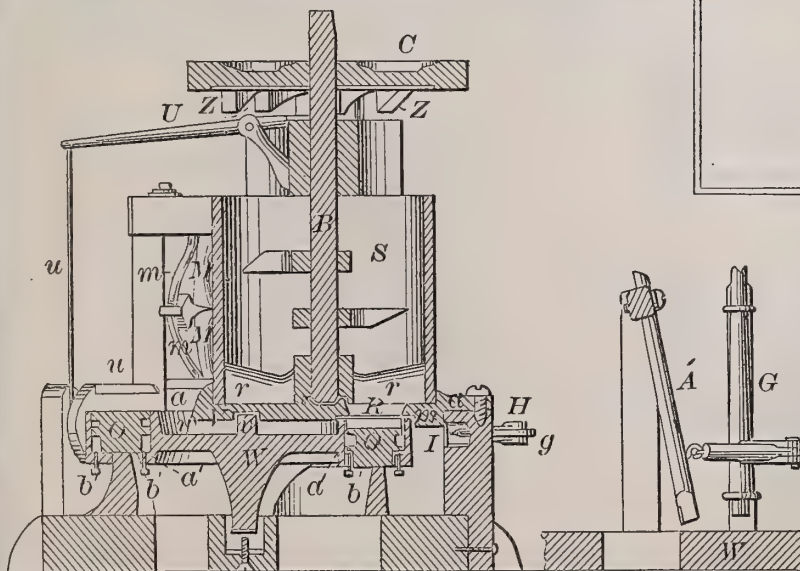
65380—J. Haslam—*Nut Machine.*



65381—J. Heacock—*Beehive.*

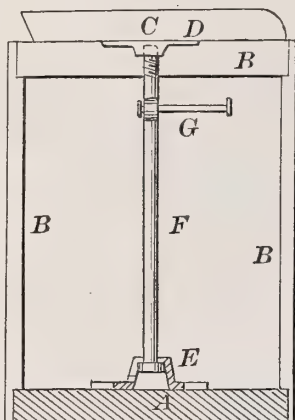


65382—E. F. Hofmann—*Pessary.*

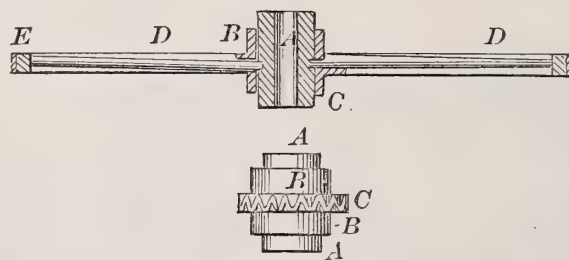




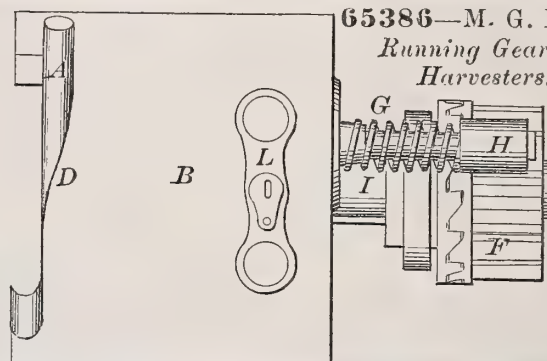
**65384**—E. Hoxie—*Securing Wagon Seats.*



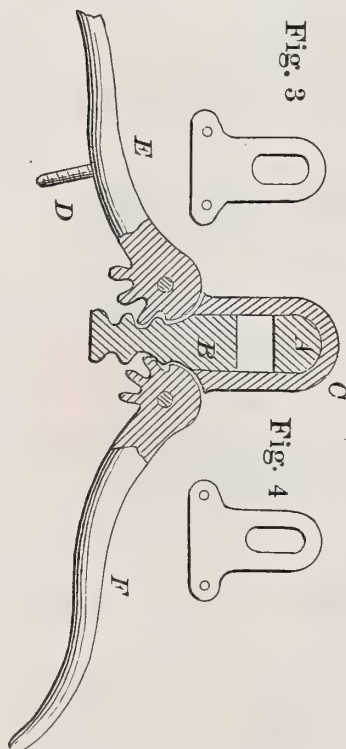
**65385**—E. Hoxie—*Vehicle Wheel.*



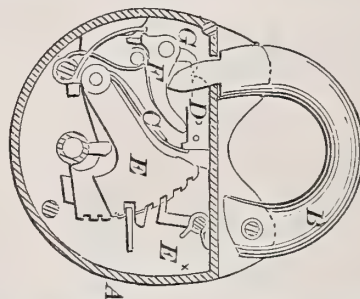
**65386**—M. G. Hubbard—*Running Gear for Harvesters.*



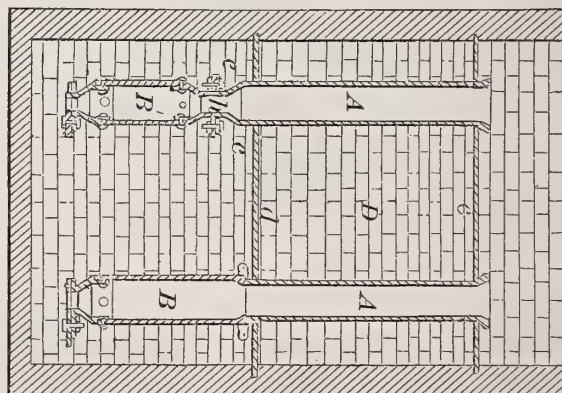
**65391**—J. Johnson—*Bolt Cutter.*



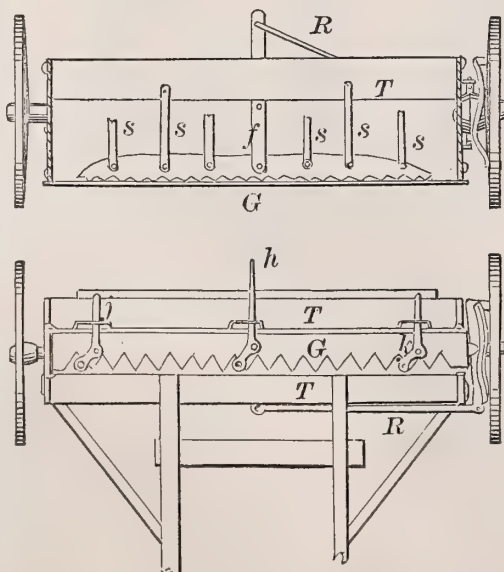
**65388**—H. Jackson—*Padlock.*



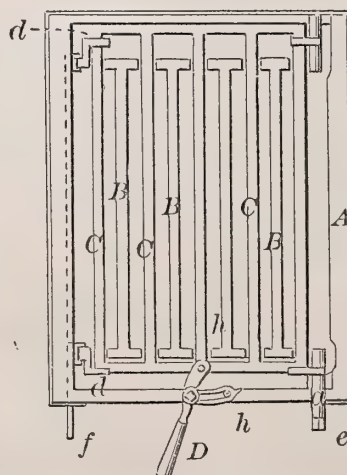
**65389**—G. A. Jasper—*Retort for Revivifying Bone Charcoal.*



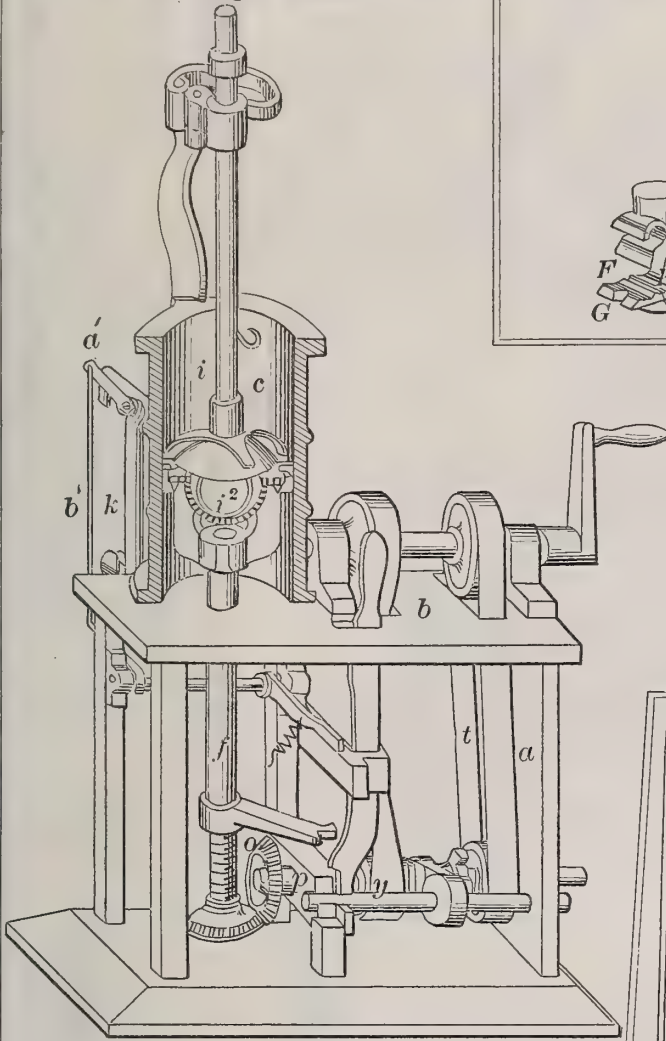
**65390**—G. Jessup—*Plaster Sower.*



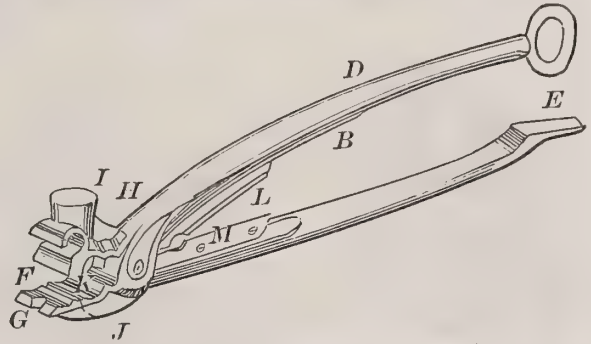
**65392**—W. Keiser—*Grate.*



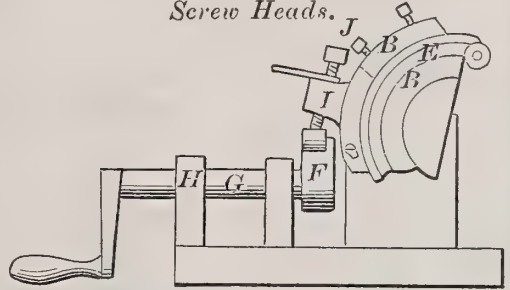
**65393**—H. Kellogg—*For Making Paper Hats.*



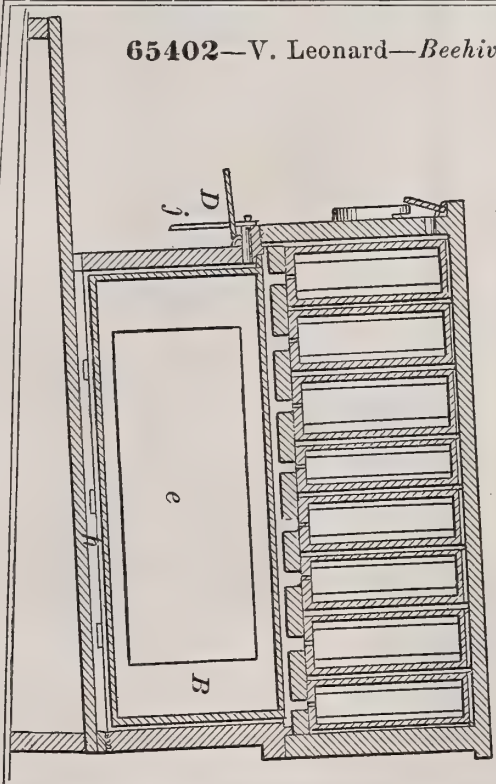
**65397**—R. M. Lafferty—*Cover Lifter, Hammer, &c.*



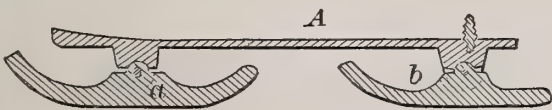
**65394**—T. Kennedy—*For Turning Screw Heads.*



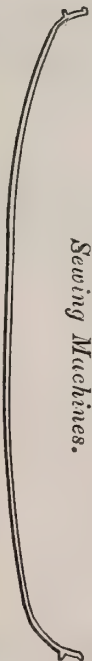
**65402**—V. Leonard—*Beehive.*



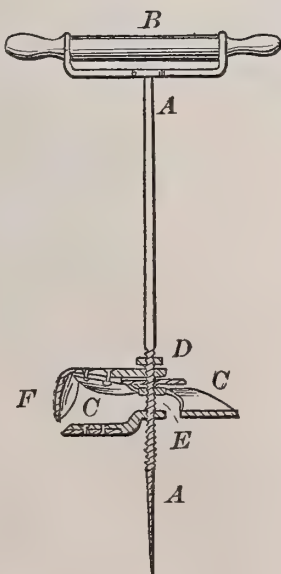
**65396**—G. V. B. Ladd—*Skate.*



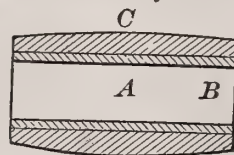
**65395**—T. E. King—*Spring for Holding Cloth in Sewing Machines.*



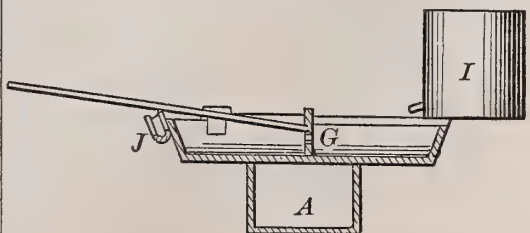
**65400**—T. Leeson—*Post Hole Auger.*



**65403**—H. W. Libbey—*Carriage Top Prop Rest.*

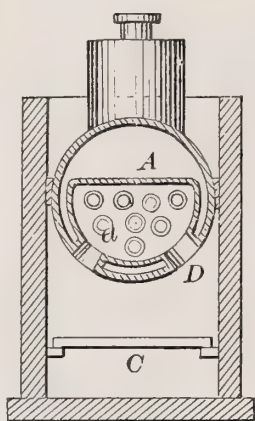


**65404**—H. Lighty—*Evaporator.*

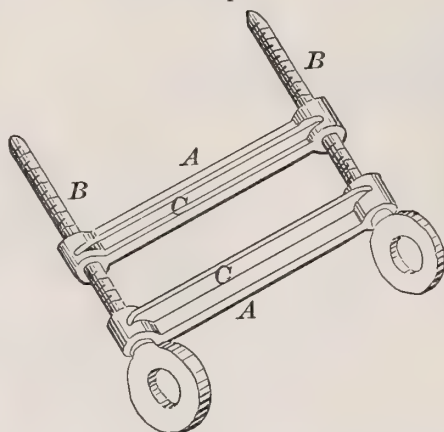




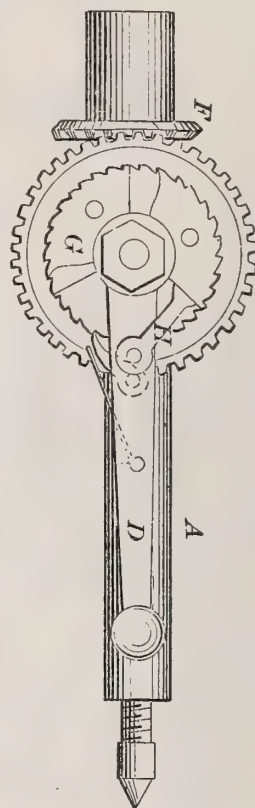
**65405**—W. Lowe—*Steam Generator.*



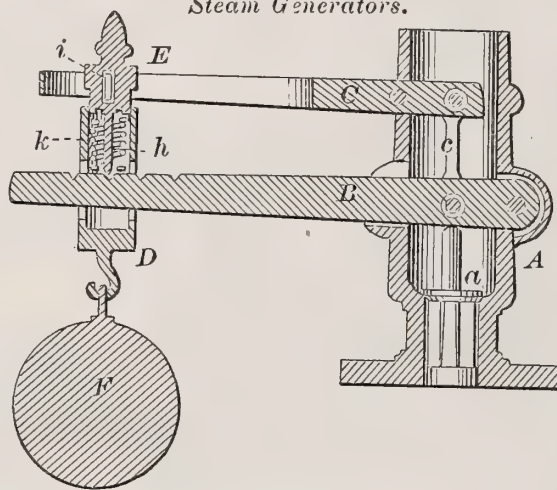
**65407**—J. Lusk, Jr.—*Tourniquet Clamp.*



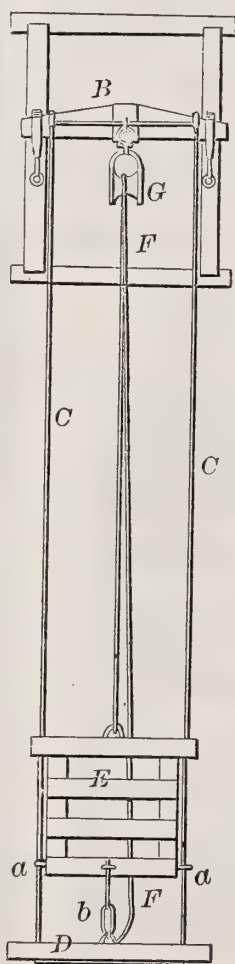
**65410**—W. Matthews—*Ratchet Drill.*



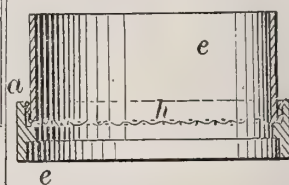
**65409**—C. Mason—*Safety Valve for Steam Generators.*



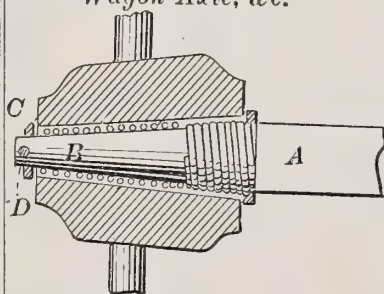
**65408**—Mackenzie & Cooper—*Fire Escape.*



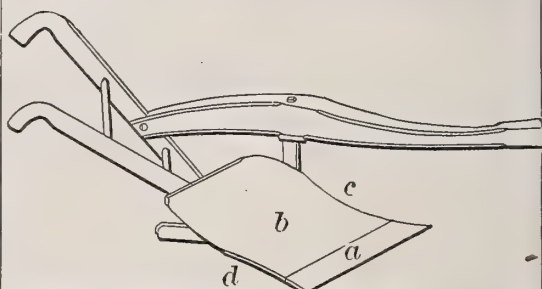
**65406**—R. C. Ludlow—*Sifter.*



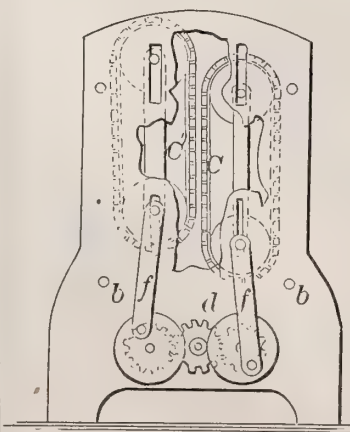
**65411**—F. McManus—*Wagon Axle, &c.*



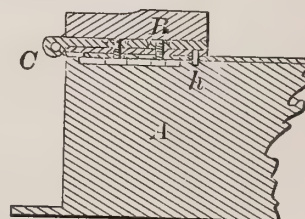
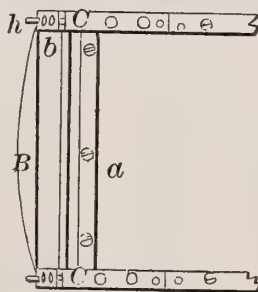
**65412**—W. D. Mendenhall—*Plowshare.*



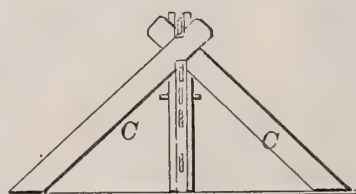
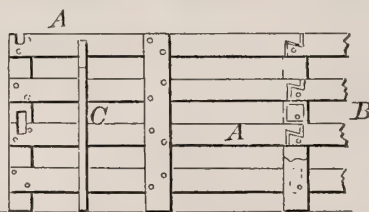
**65413**—S. S. Middlebrook—*Felting Machine.*



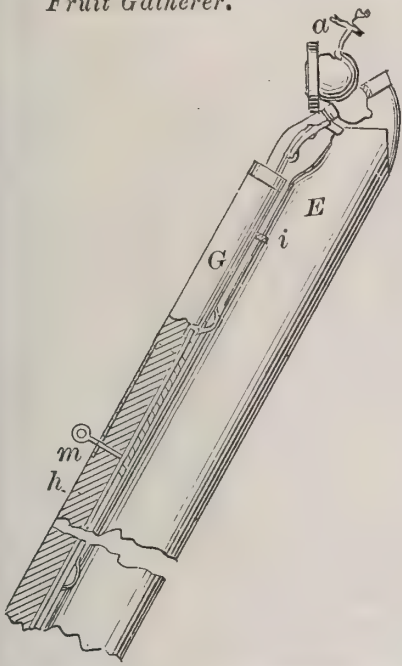
**65414**—Moore & Blaisdell—*Hanging Wagon Seats.*



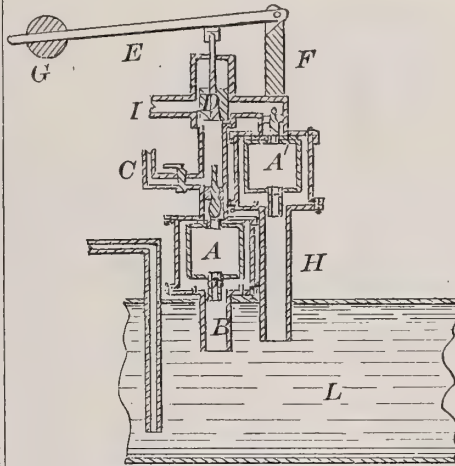
**65415**—T. Morris—*Fence.*



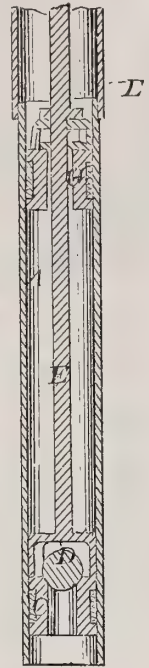
**65416**—M. A. & D. F. Morton—*Fruit Gatherer.*



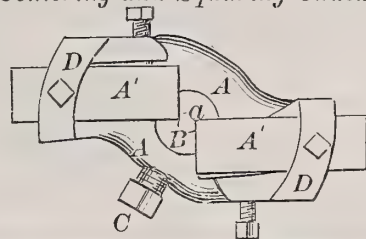
**65418**—A. F. W. Meynaber—*Boiler Feeder.*



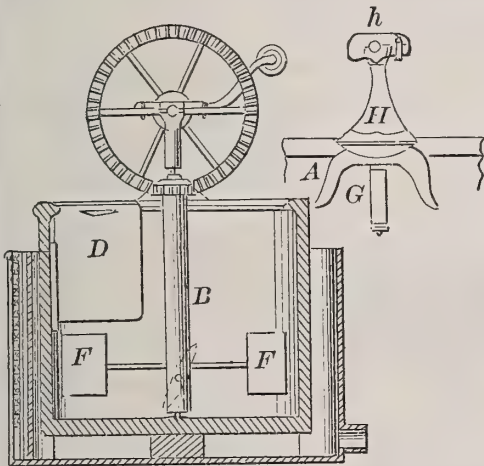
**65419**—W. H. Noyes—*Pump.*



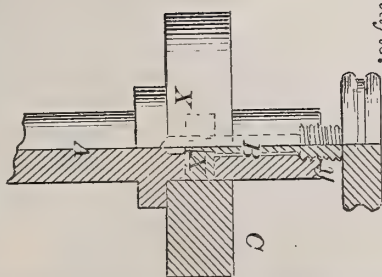
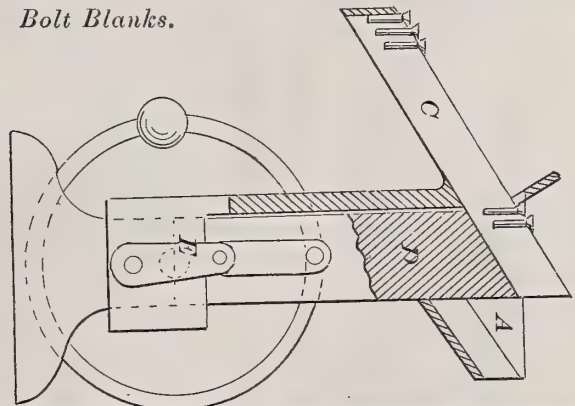
**65422**—G. R. Parker—*Centering and Squaring Chuck.*



**65417**—J. Neal—*Churn.*

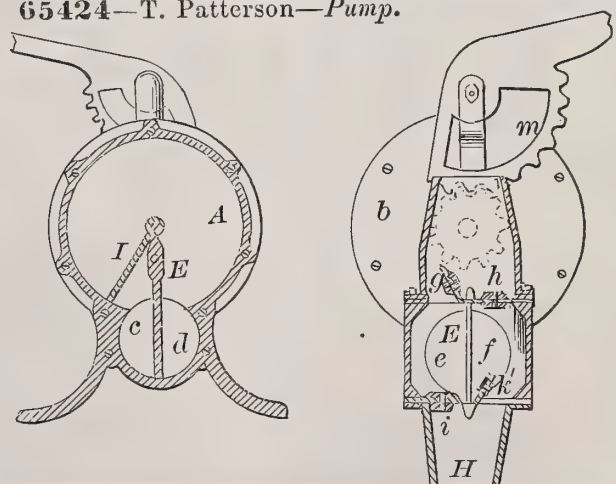


**65423**—W. F. Parker—*Automatic Feeder of Bolt Blanks.*

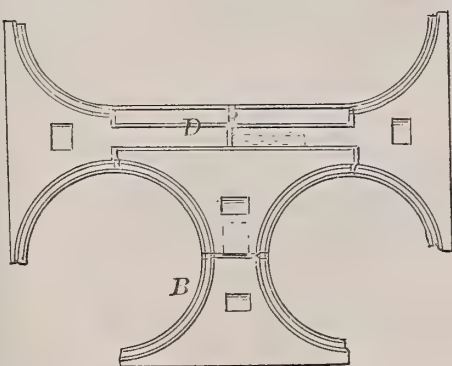


**65420**—L. H. Olmsted—*Tightening Wheels on Shafts.*

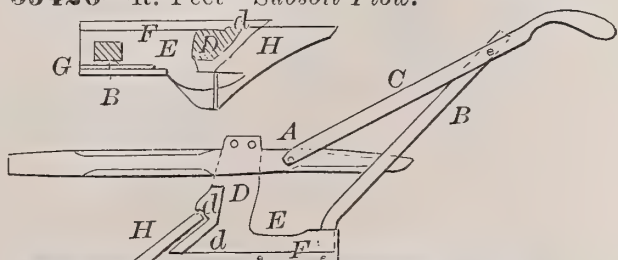
**65424**—T. Patterson—*Pump.*



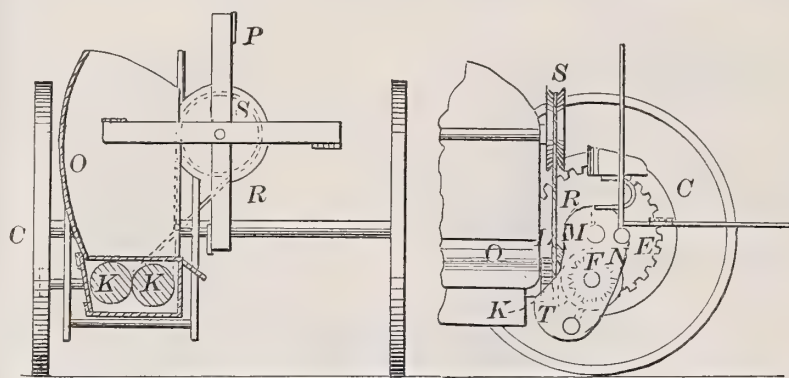
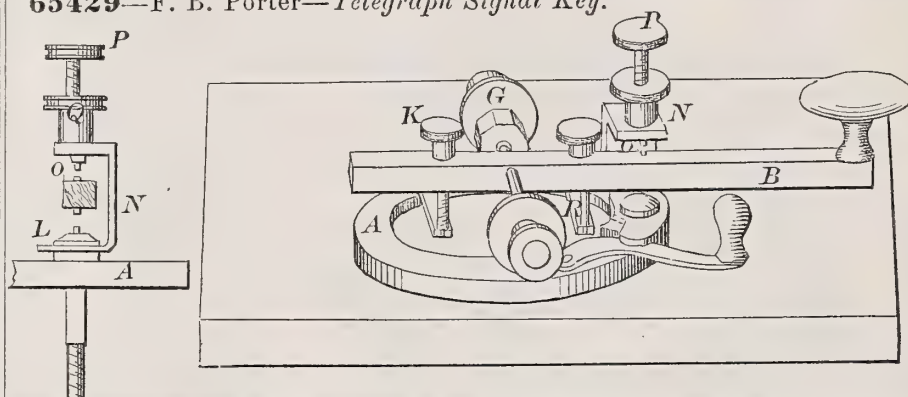
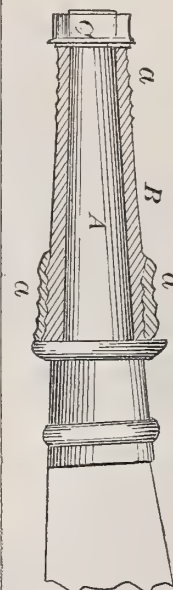
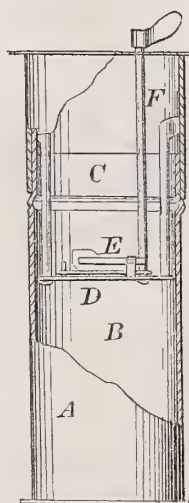
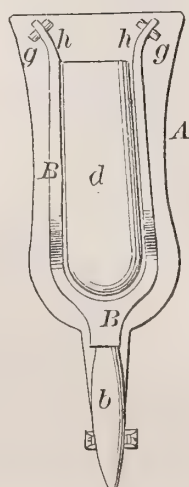
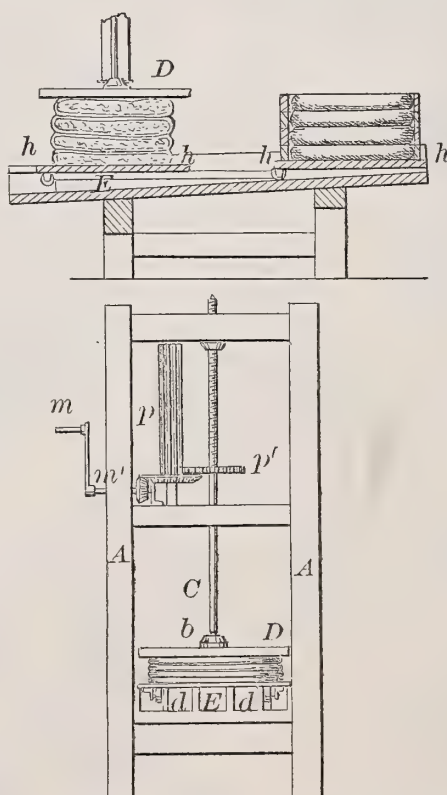
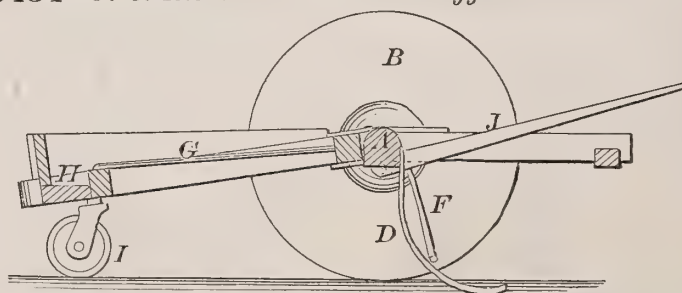
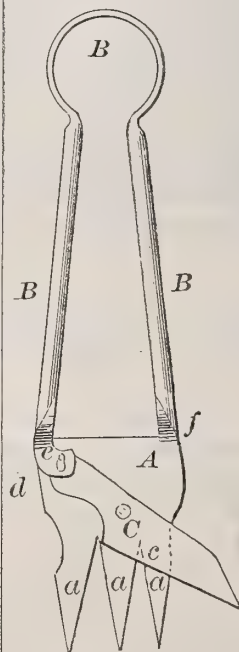
**65421**—Paradis & Reilly—*Centre Plate for Stove Tops.*



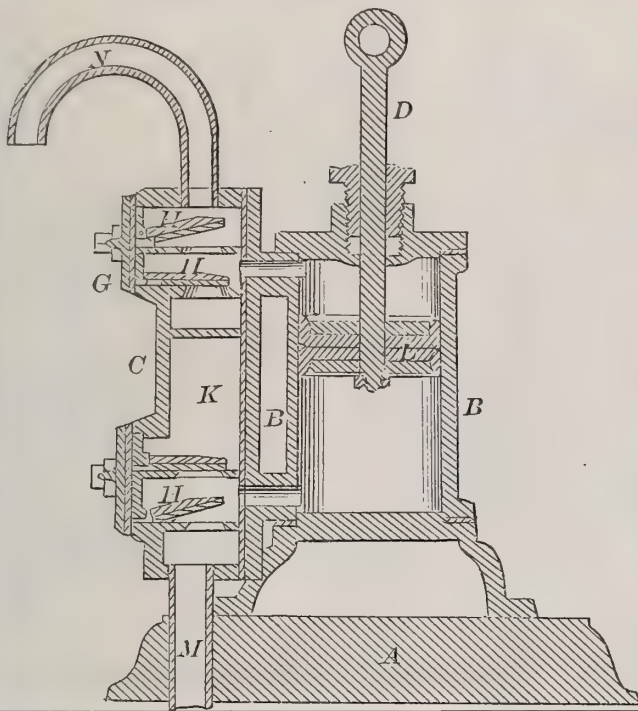
**65426**—R. Peet—*Subsoil Plow.*



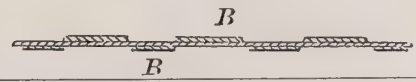


65427—Pitchforth & Benson—*Machine for Destroying Potato Bugs.*65429—F. B. Porter—*Telegraph Signal Key.*65428—W. H. Pollard—*Arle Box.*65430—G. W. Putnam—*Drying Box.*65433—W. H. Rannels—*Harness Pad Block.*65431—W. H. Ragan—*Cheese Press.*65434—J. C. Richardson—*Potato Digger.*65432—J. Ralston—*Sheep Shears.*

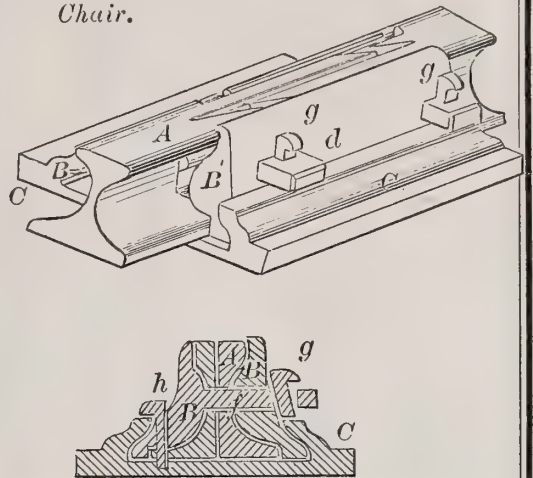
65435—F. Richter—*Pump.*



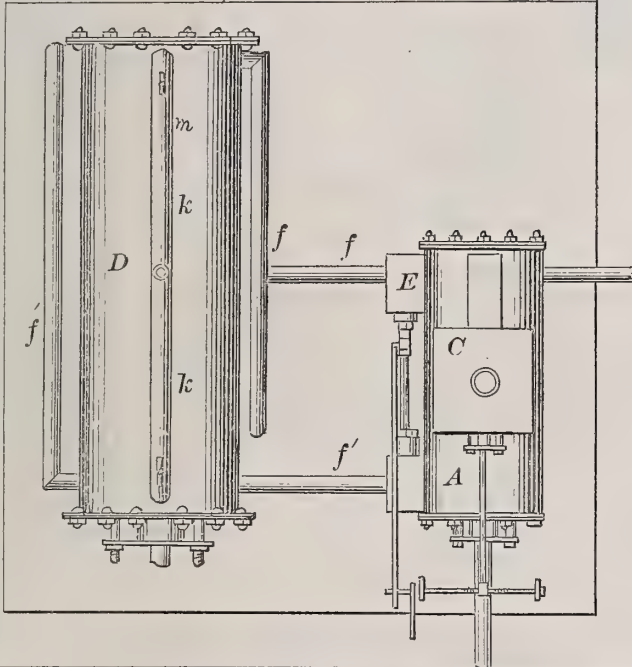
65436—J. L. Rile—*Paper for Letter Files.*



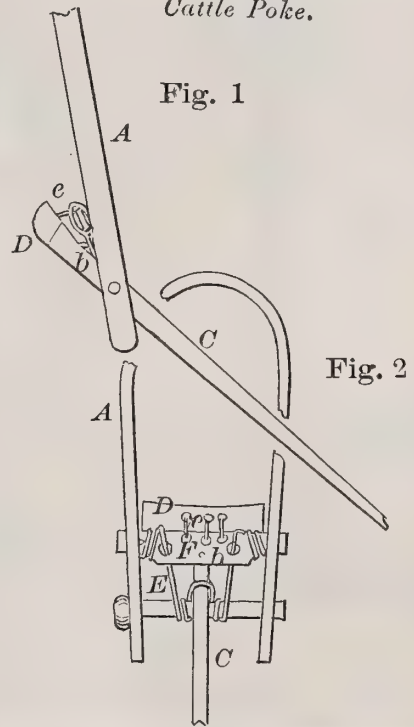
65439—J. W. Shiveley—*Railway Chair.*



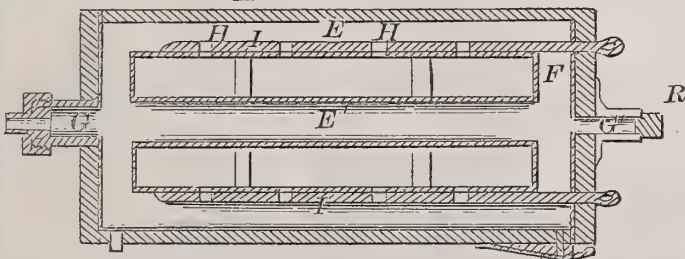
65437—H. F. Roberts—*Steam Engine.*



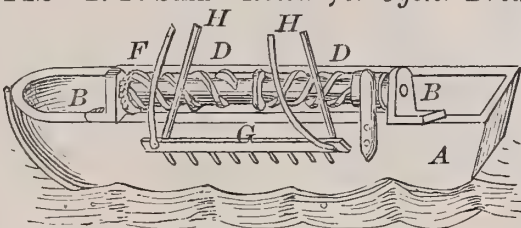
65440—N. Silvester—*Horse and Cattle Poke.*



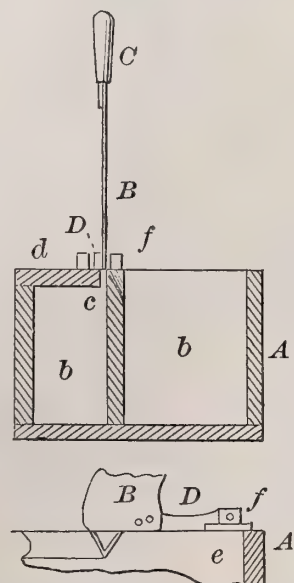
65438—J. H. Sardam—*Feather Cleaning Machine.*



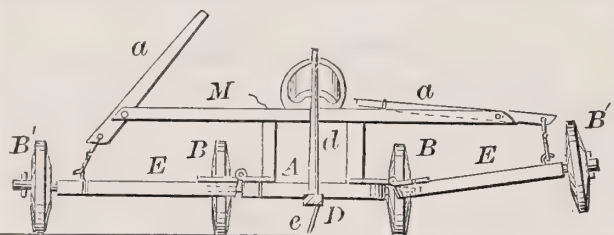
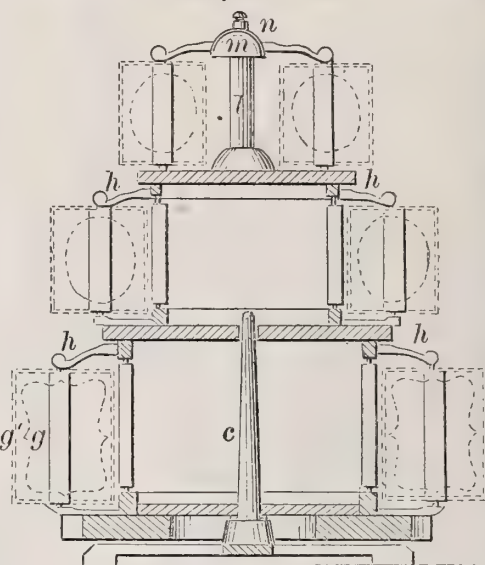
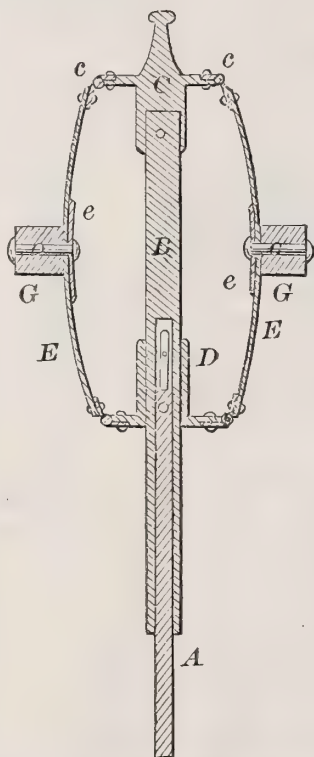
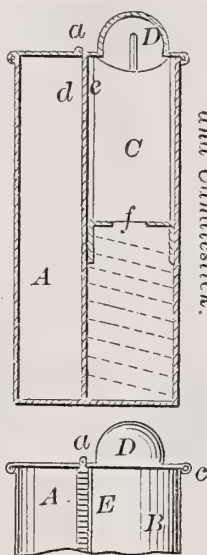
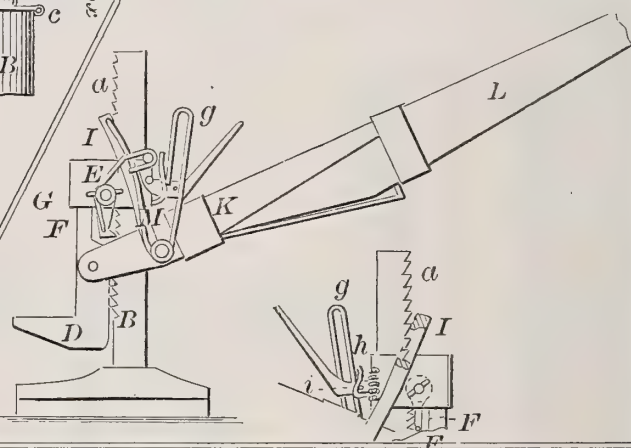
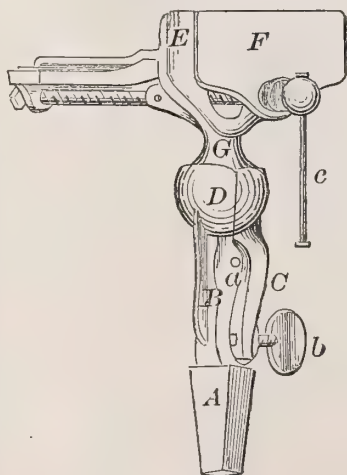
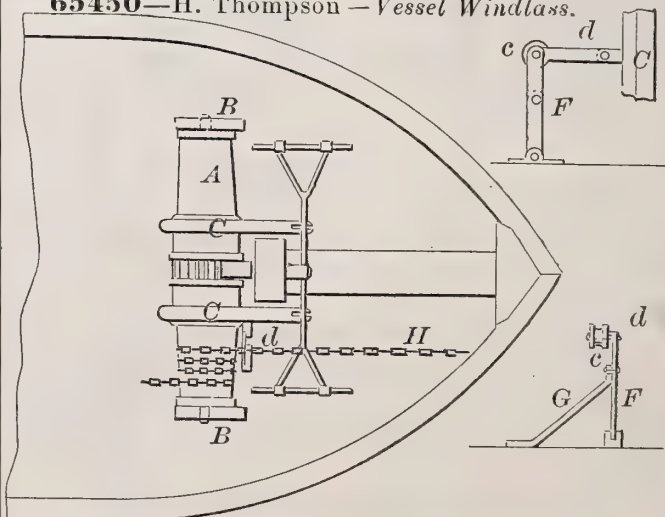
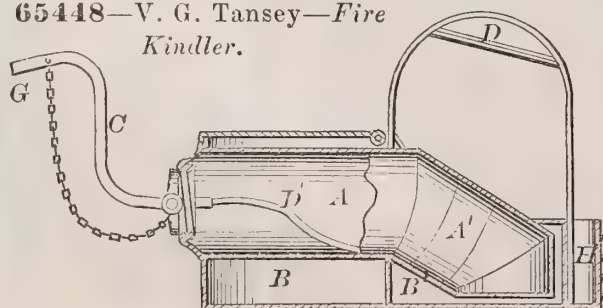
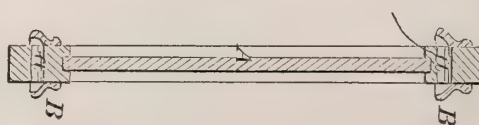
65442—T. P. Sink—*Roller for Oyster Dredges.*



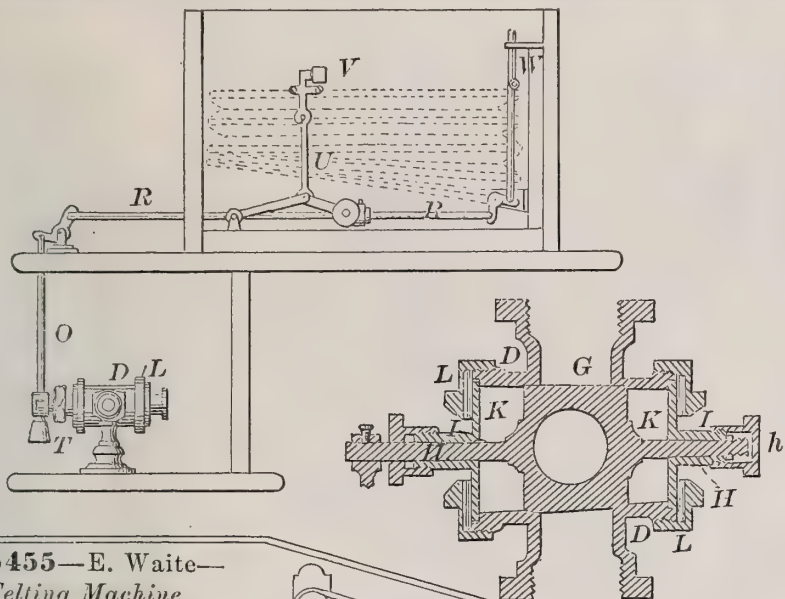
65441—S. D. Simmons—*Bread Cutter.*



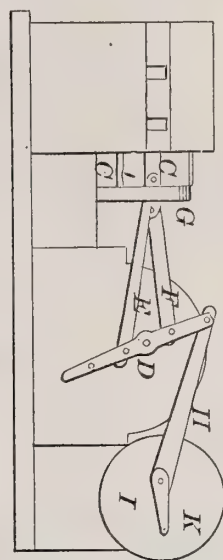


**65443**—G. Sprague—*For Marking Corn Ground.***65446**—E. B. Sturdevant—*Revolving Stand for Pictures.***65444**—R. Stewart—*Engine Governor.***65445**—C. R. Stickney—*Match Box and Candlestick.***65447**—S. Taber—*Lifting Jack.***65449**—I. C. Tate—*Vise for Holding Wood.***65450**—H. Thompson—*Vessel Windlass.***65448**—V. G. Tansey—*Fire Kindler.***65451**—T. R. Timby—*Ventilating Door.*

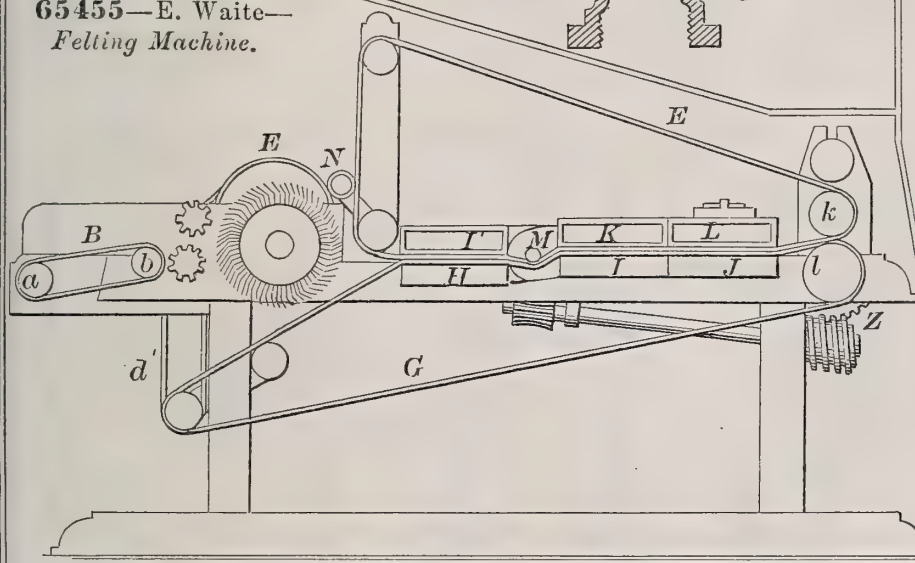
65452—W. H. Topham—Motor Regulator and Register Attachment.



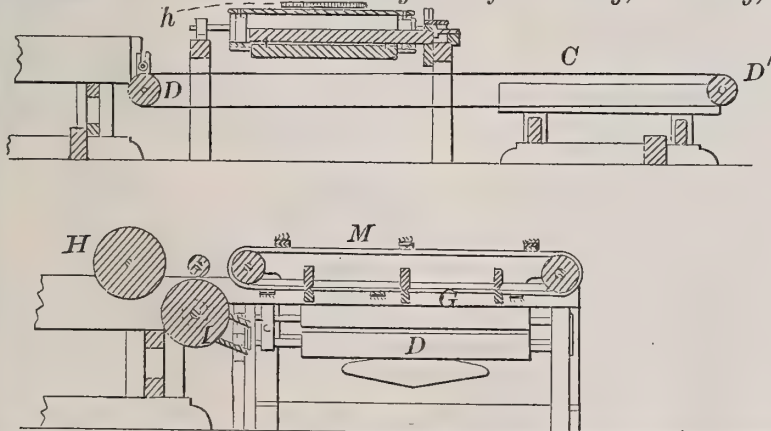
65453—J. F. Foxel—Steam Engine.



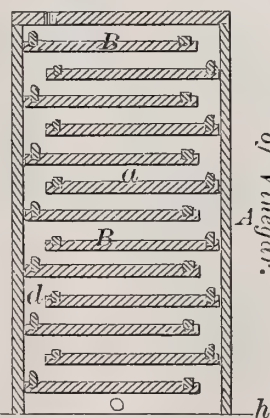
65455—E. Waite—Felting Machine.



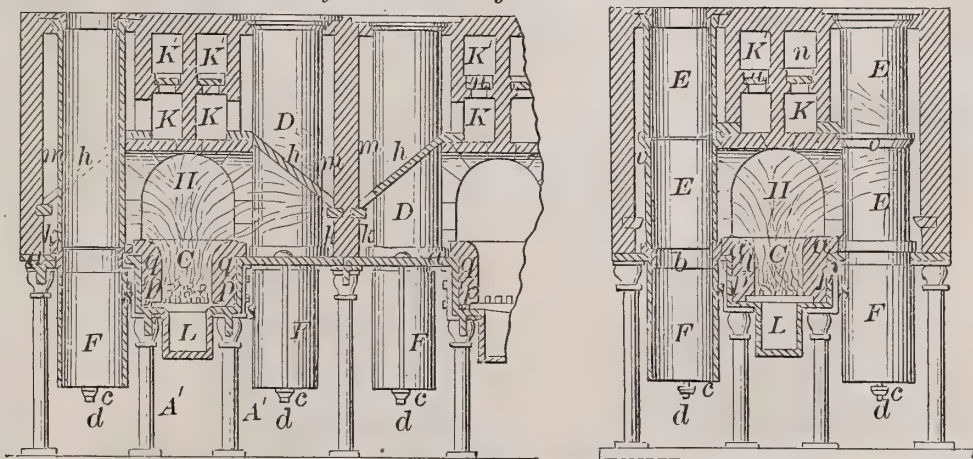
65456—E. Waite—For Forming Bats for Felting, Wadding, &c.



65458—W. Weis—Manufacture of Vinegar.



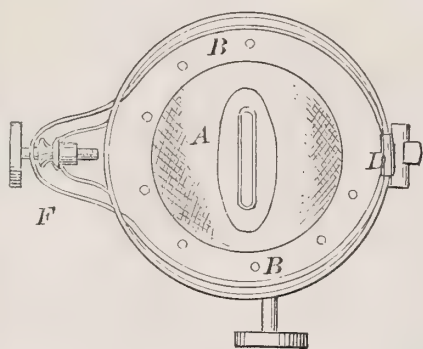
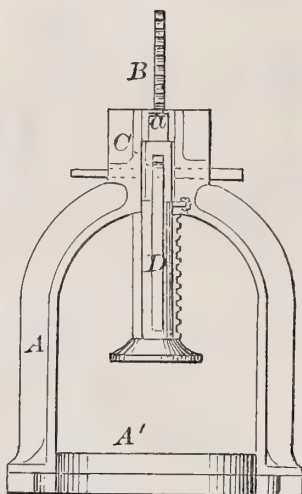
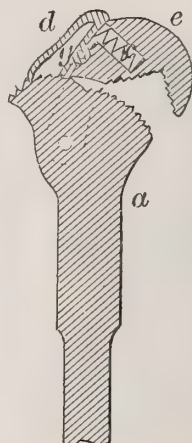
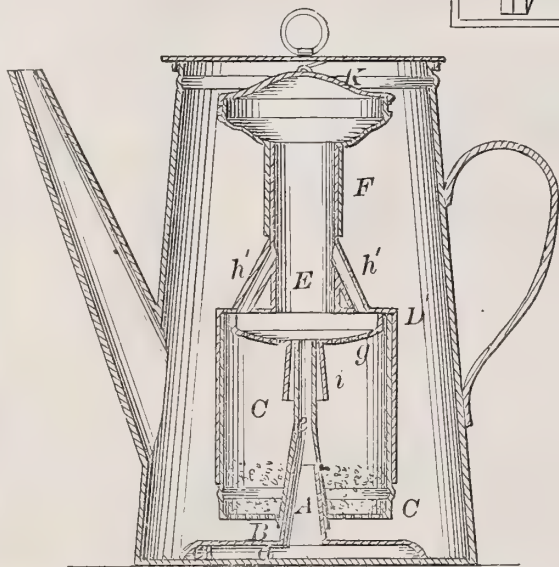
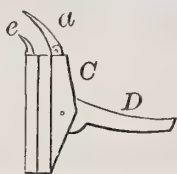
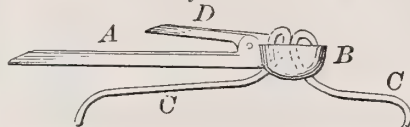
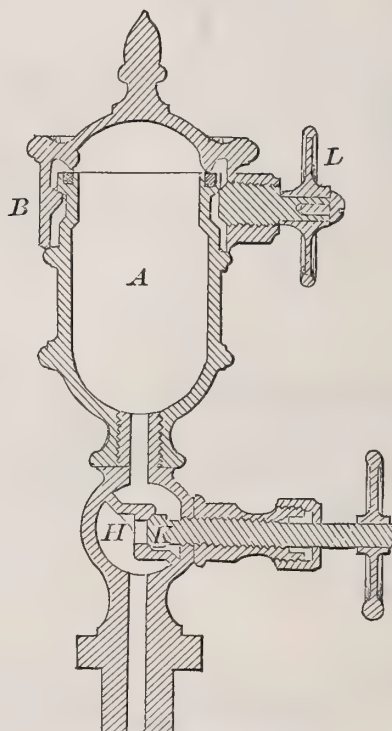
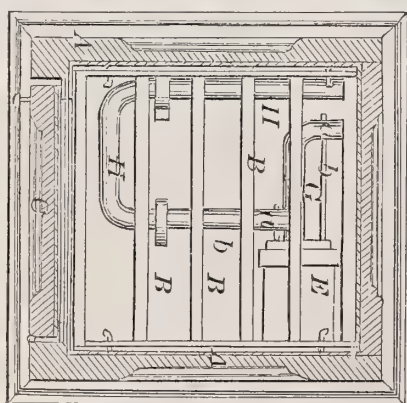
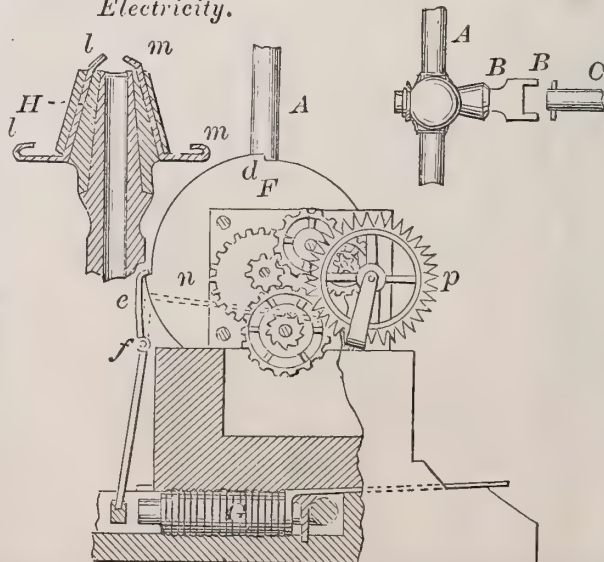
65457—A. Weber—Kiln for Re-burning Bone Black.



65454—S. Vanstone—Making Car Wheels.

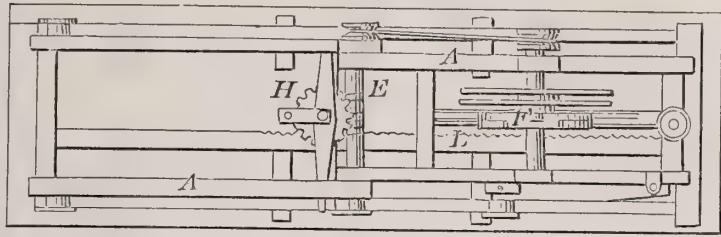




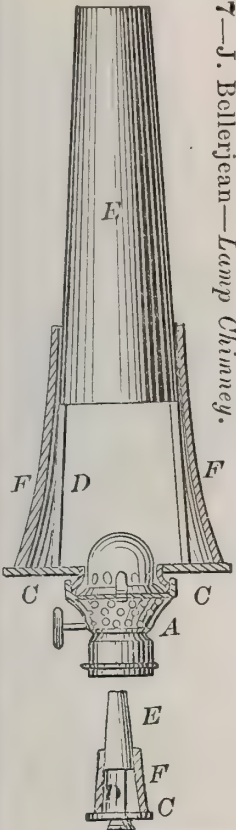
65459—A. Whitlock—*Lamp  
Burner.*65464—H. B. Barber—*Press.*65465—J. B. Barnes—*Pipe and Stud Wrench.*65460—J. B. Willett—*Plate  
Lifter.*65461—E. F. Woodward—*Coffee Pot.*65463—J. Ashcroft—*Steam Engine Lubricator.*65462—C. F. Worch—*For Destroying Moths.*65466—Bean & Mumler—*Lighting Gas by  
Electricity.*

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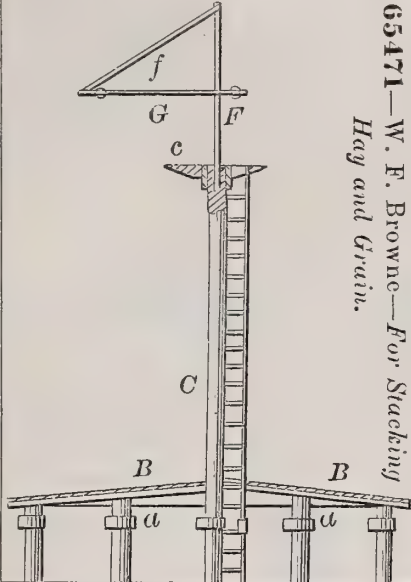
**65469**—V. W. Blanchard—*Stone Channeling Machine.*



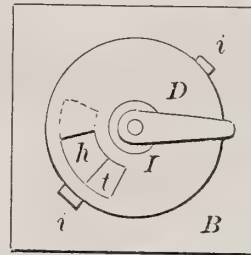
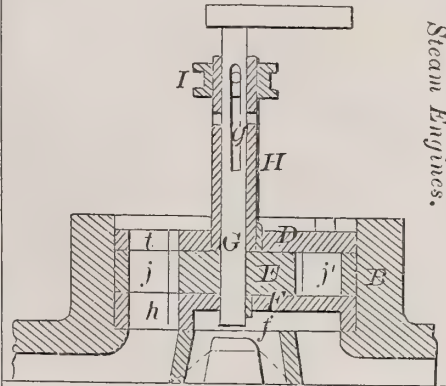
65467—J. Bellerjean—*Lamp Chimney.*



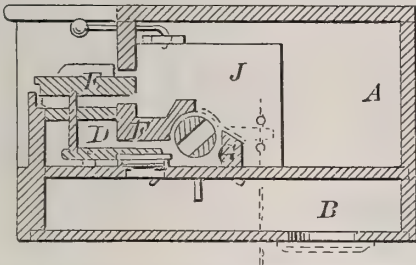
65471—W. F. Browne—*For Stacking Hay and Grain.*



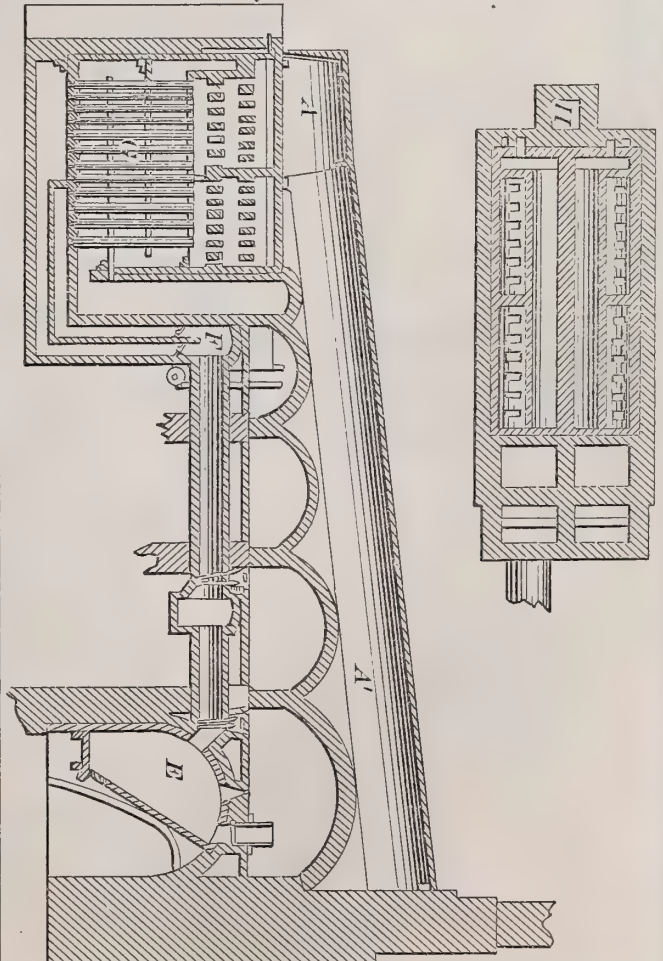
65470—Bloomsburg & Molynaux—*Rotary Valve for Steam Engines.*



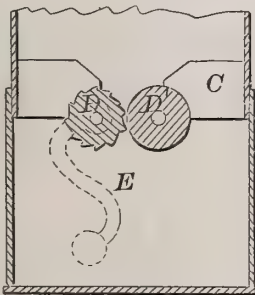
65472—R. W. Carpenter—*Tremolo Attachment for Melodeons.*



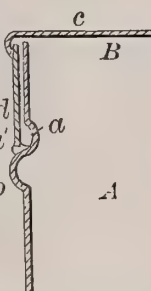
**65473**—T. J. Chubb—*Making Steel direct from  
from Ore.*



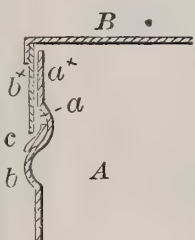
65474- D. C. Colby—*Coffee Can and  
Crusher.*



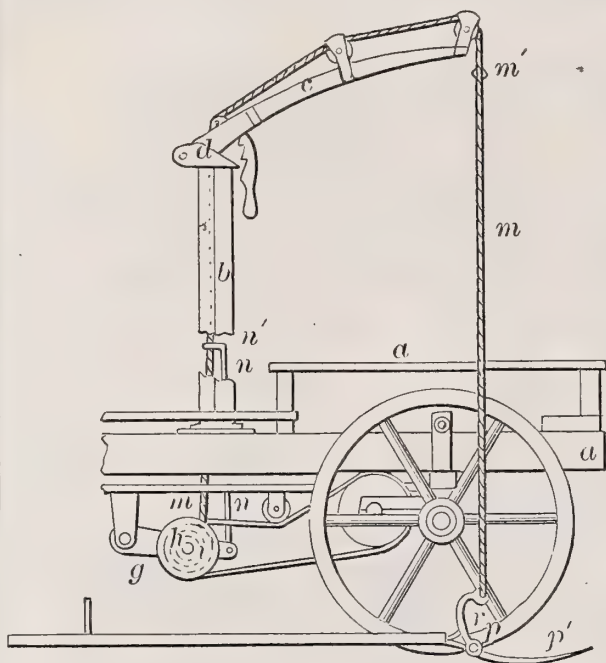
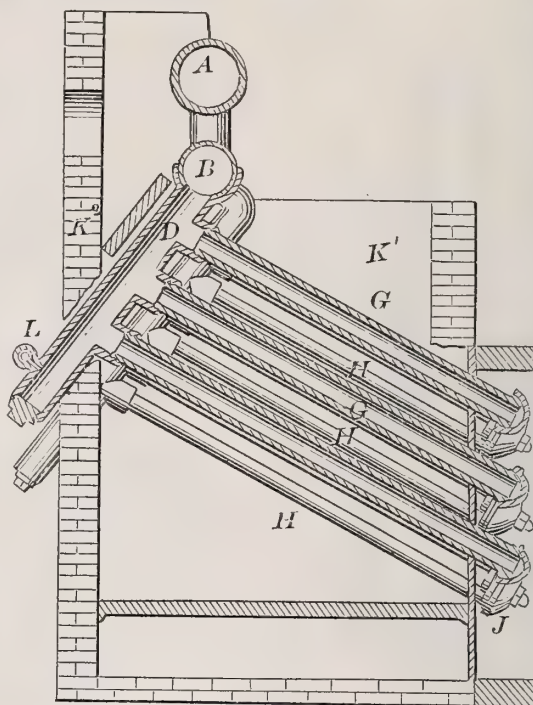
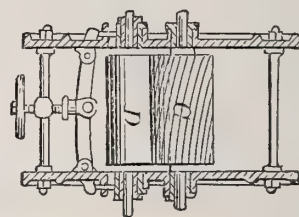
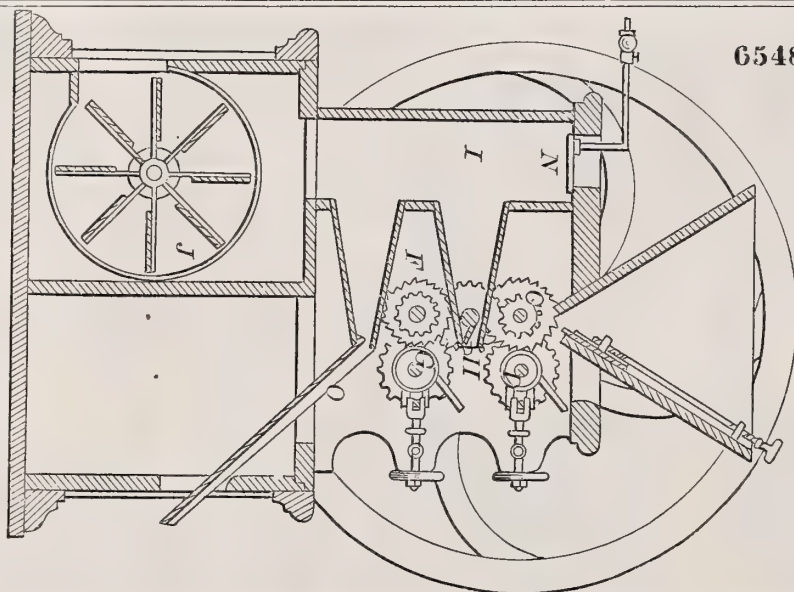
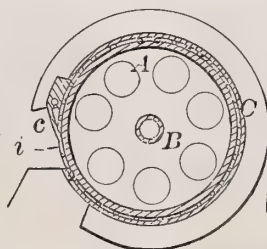
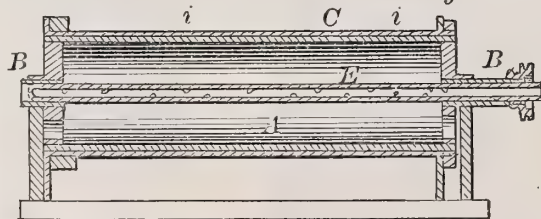
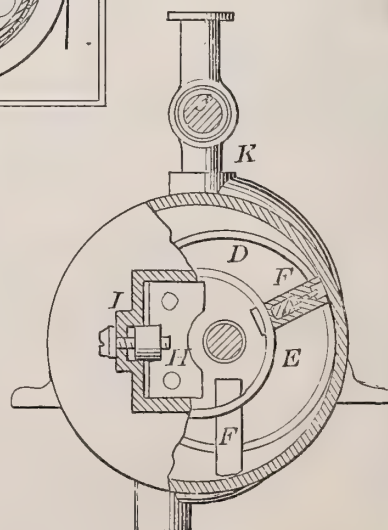
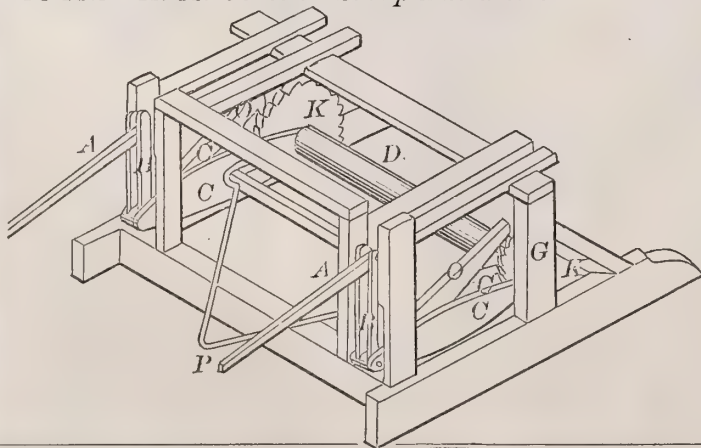
65477—J. F. Drummond—  
*Paint Can.*



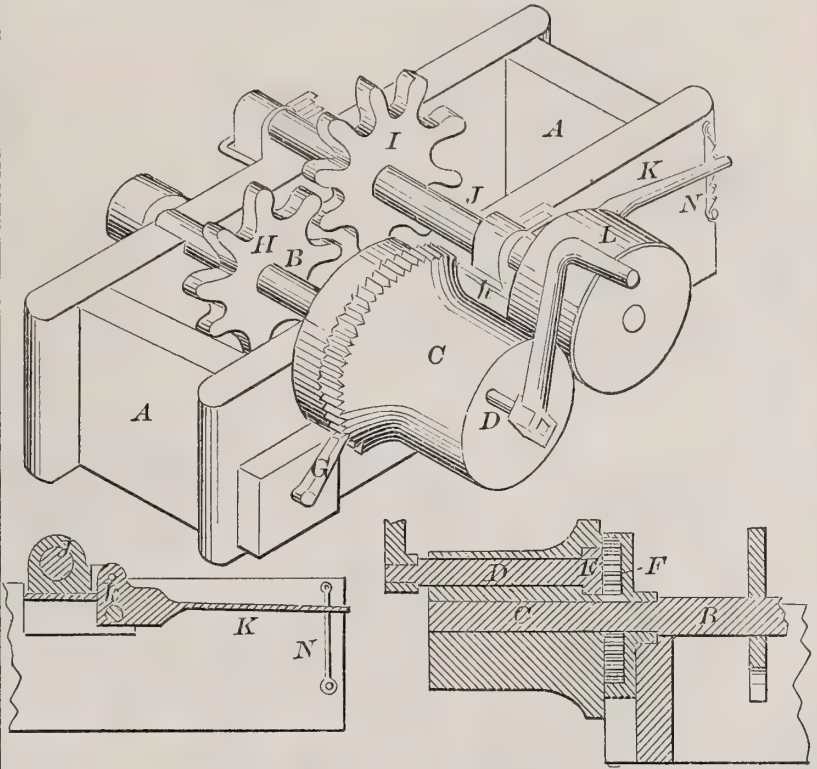
65476—H. W. Devoe—Paint Can.



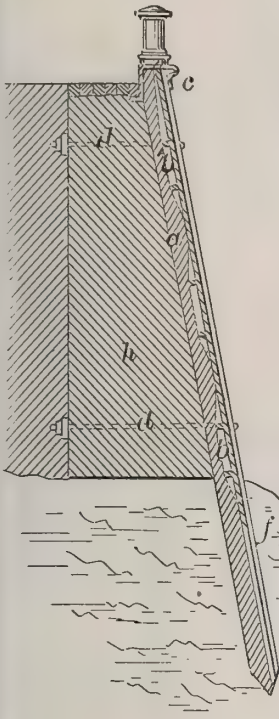


65478—W. H. Elliot—*Hay Loader.*65479—H. Feyh—*Steam Generator.*65480—E. T. Ganneron—*For Hulling Rice.*65481—H. C. Gee—*For Annealing Wire.*65482—H. M. Gibson—*Stump Extractor.*65483—J. E. Gillespie—*Rotary Steam Engine.*

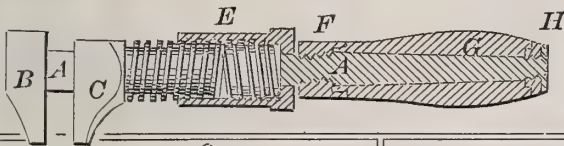
65486—J. S. Heald—Winch or Capstan.



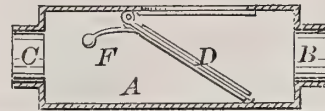
65484—R. A. Gilpin—Construction of Piers, Docks, and Wharves.



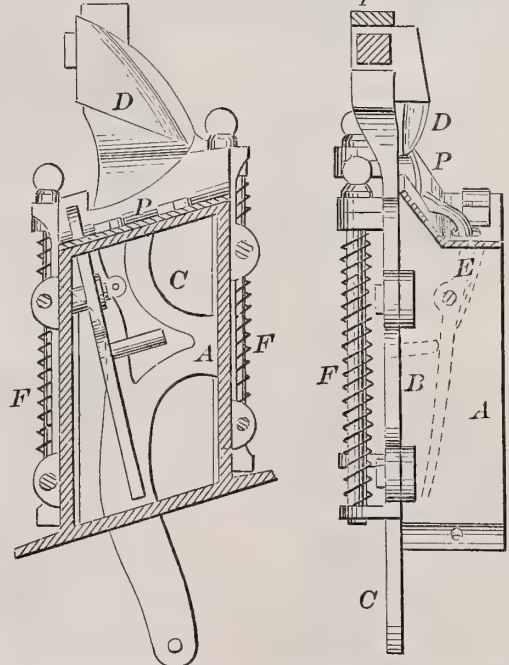
65489—L. Jordan—Wrench.



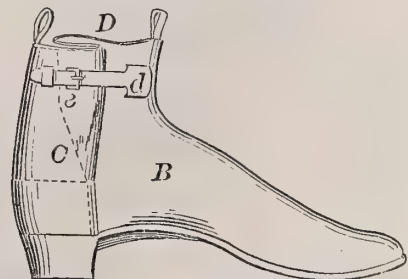
65490—J. V. Karr—Gas Chamber for Forges.



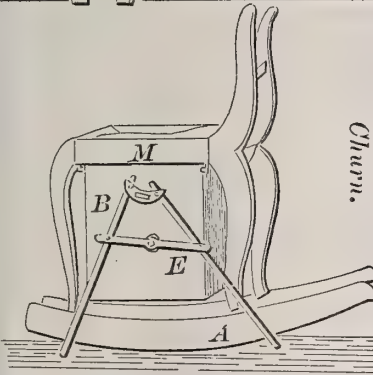
65491—F. C. La Riviere—For Cutting the Locks in Hoops.



65492—C. D. Letherburg—Shoe.



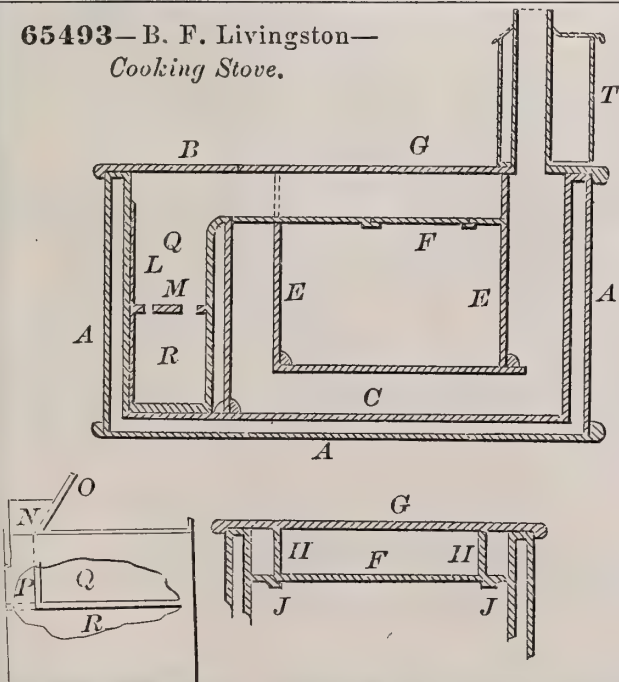
65488—Jay & Younce—Churn.



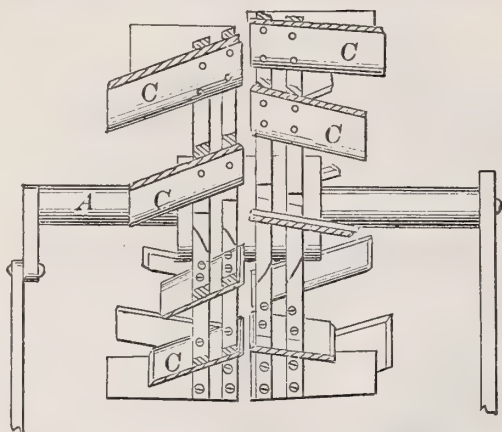
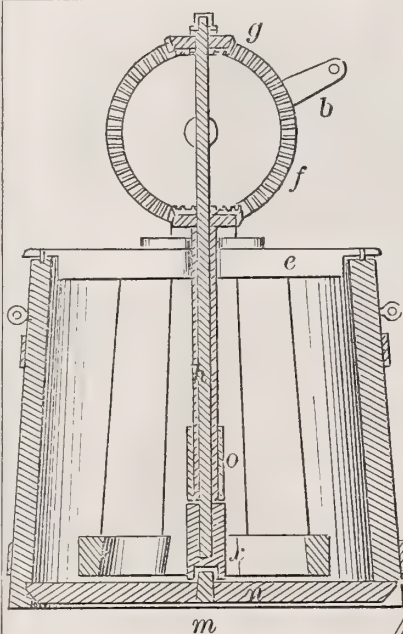
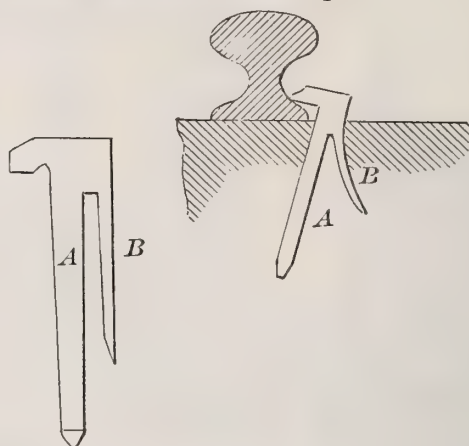
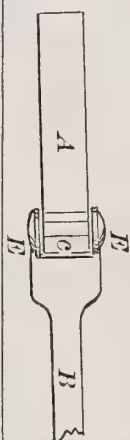
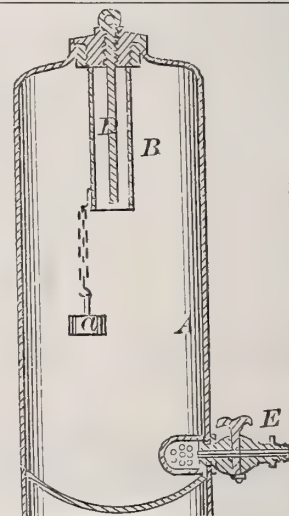
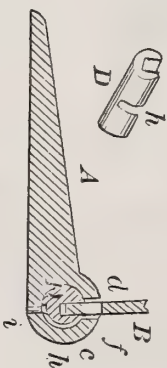
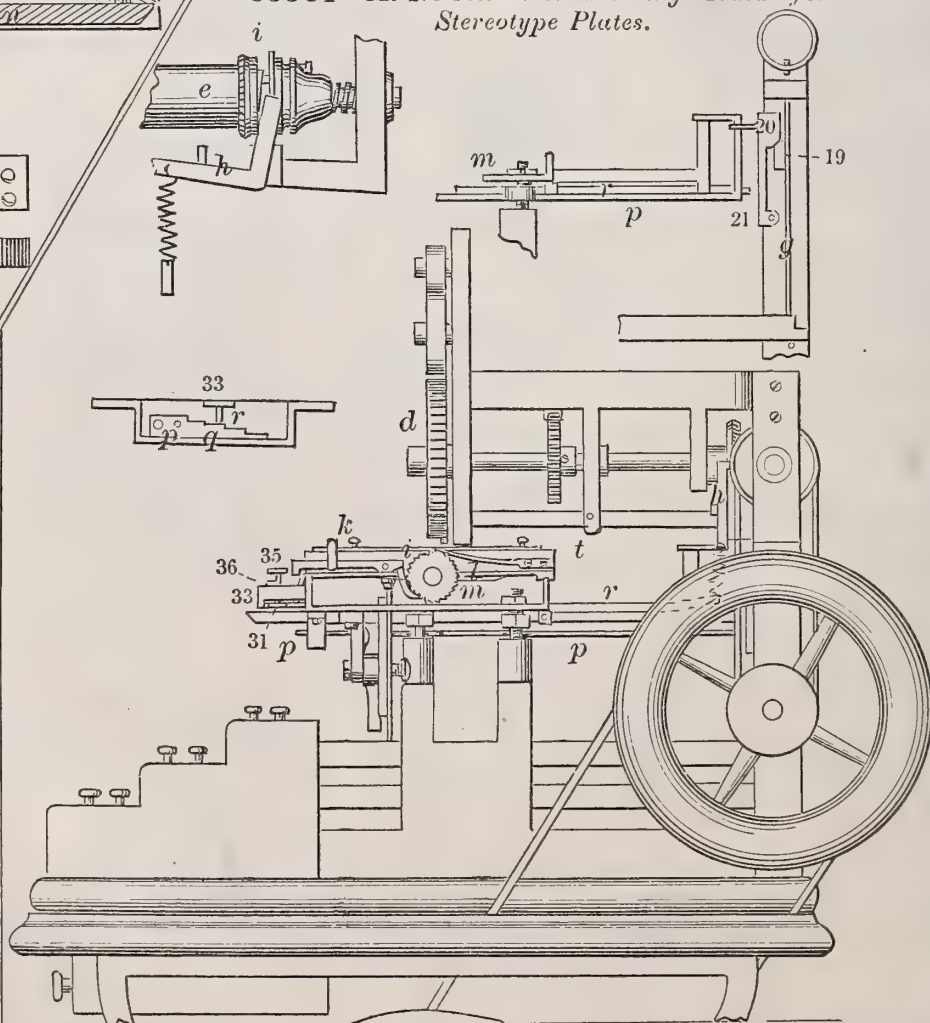
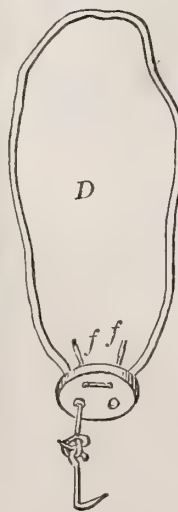
65487—L. & A. A. Hoffman—Boot Heel.



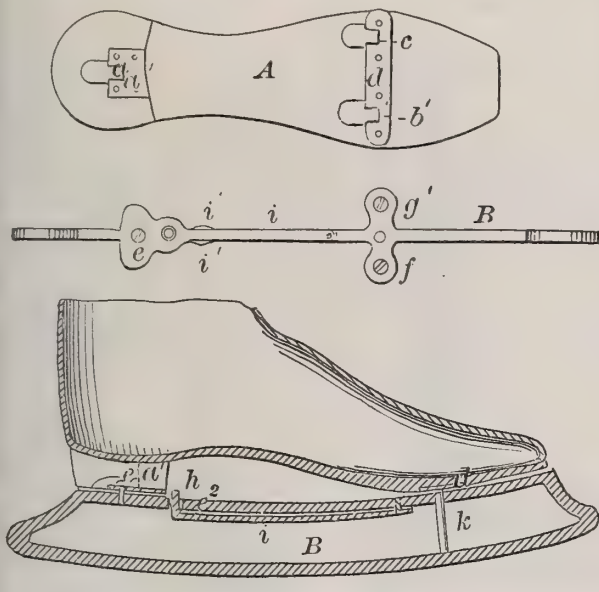
65493—B. F. Livingston—Cooking Stove.



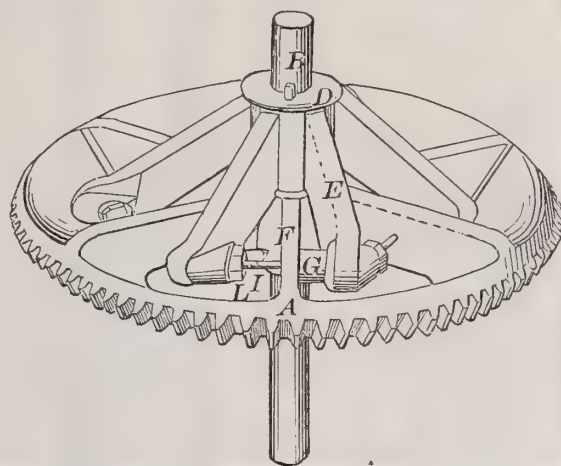


65495—E. Matteson—*Paddle Wheel.*65497—G. W. McGill—*Spike.*65496—W. R. McCutcheon—*Churn.*65498—C. D. Miller—*Attaching  
Tills to Carriages.*65500—D. Needham—*For Charging  
Soda Fountains.*65501—M. Nelson—*For Forming Moulds for  
Stereotype Plates.*65499—J. Miller—*Bug Fastener.*

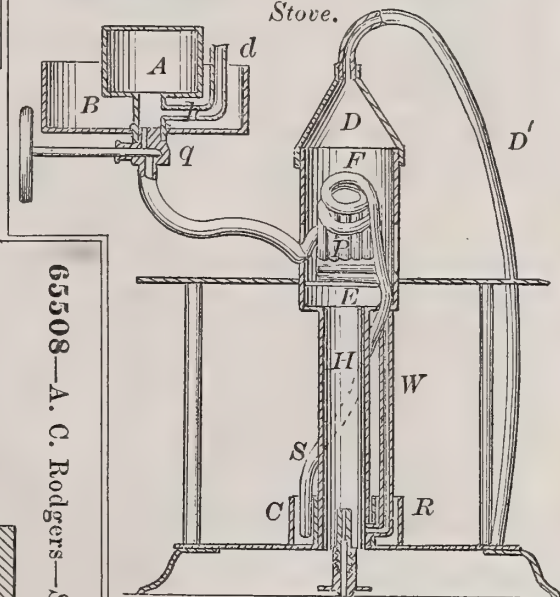
65502—J. W. Post—*Skate.*



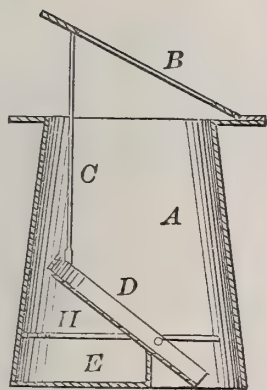
65506—J. L. Rees—*Cog Gearing Spring.*



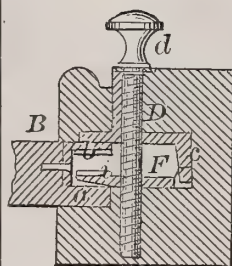
65507—Riddle & Gray—*Petroleum Vapor Stove.*



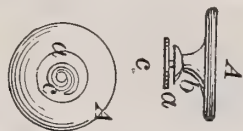
65505—A. Rankin—*Water Closet.*



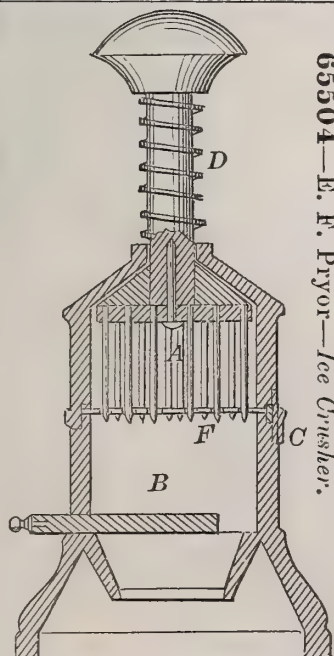
65508—A. C. Rodgers—*Sash Fastener.*



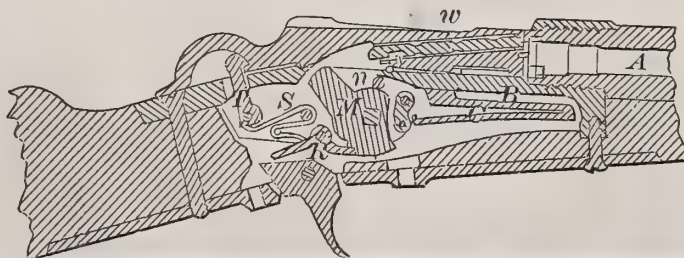
65503—J. M. Prugger—*Button.*



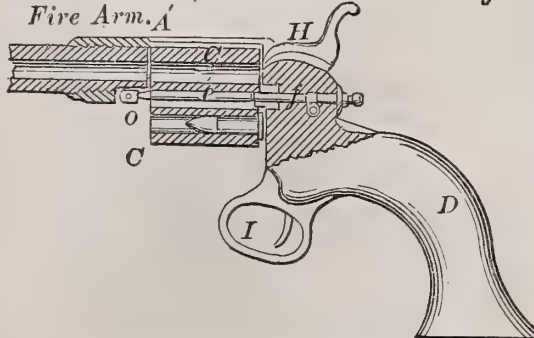
65504—E. F. Pryor—*Ice Crusher.*



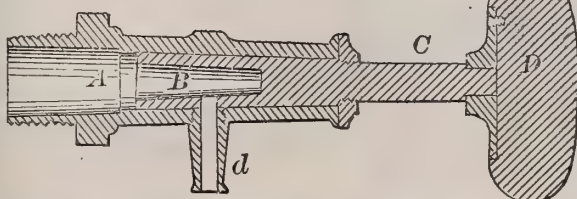
65509—Root, Colt & Colt—*Breech-Loading Fire Arm.*



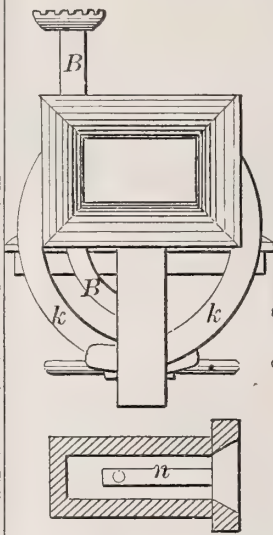
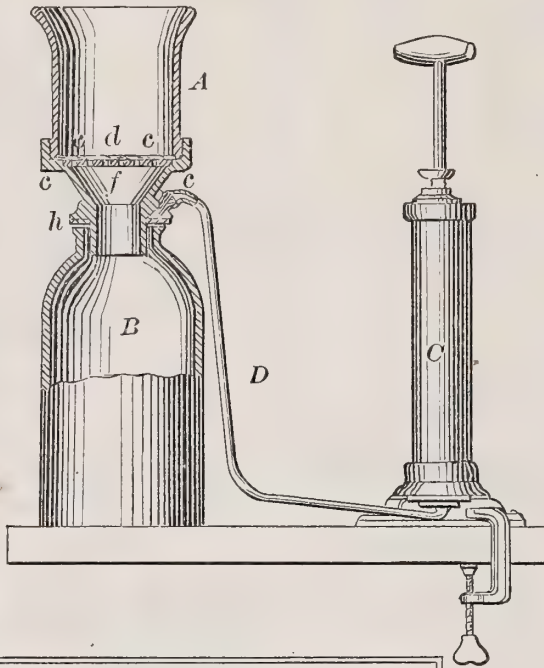
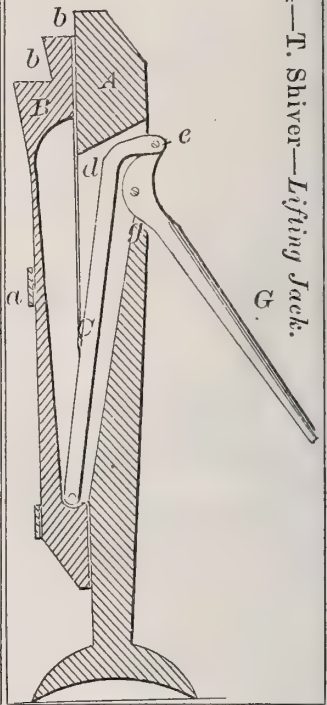
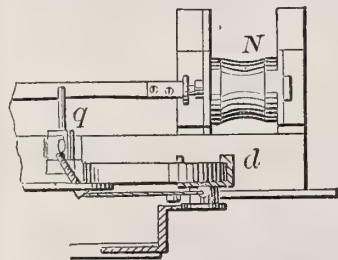
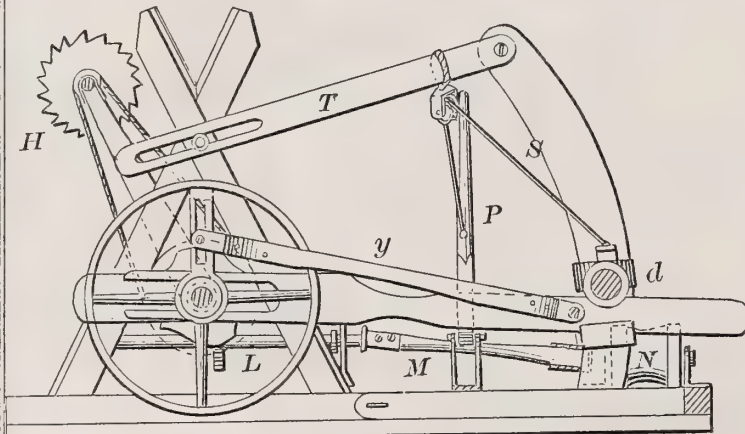
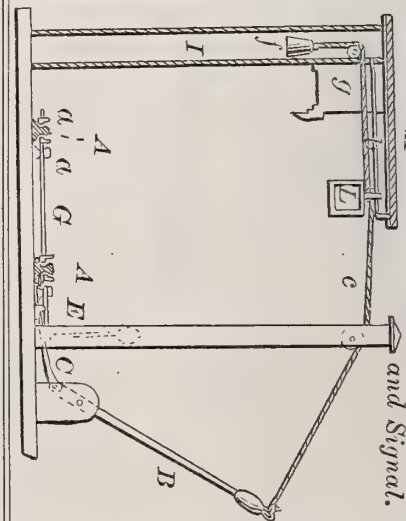
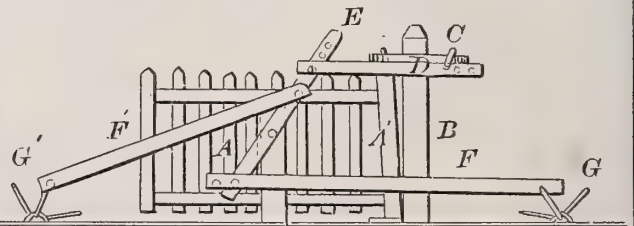
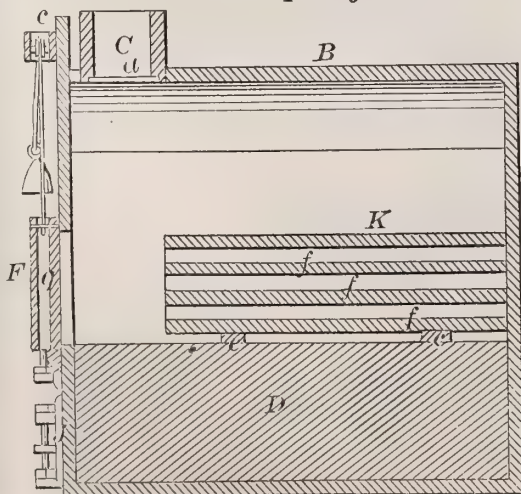
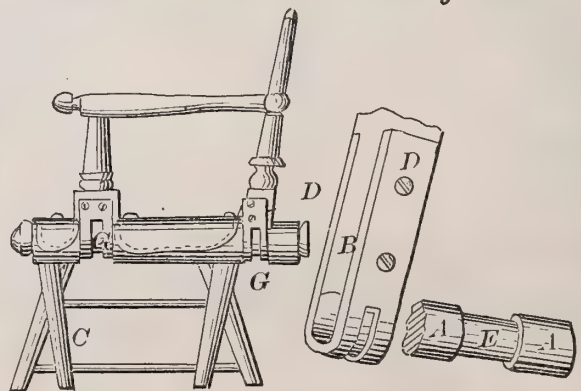
65510—Root, Colt & Colt—*Revolving Fire Arm.*



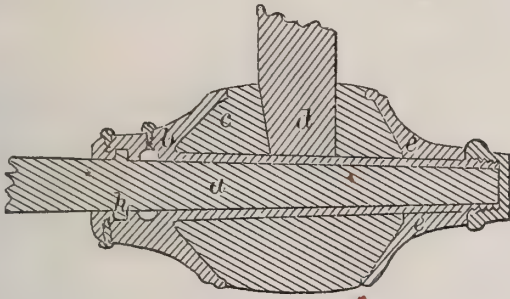
65511—J. Sanders—*Steam Gauge Cock.*



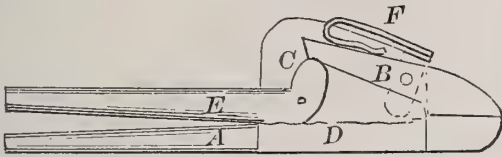


65513—G. W. Shingleton—*Car Coupling.*65515—A. B. Spencer—*Filter for Pharmacutists and others.*65514—T. Shiver—*Lifting Jack.*65517—J. B. Sweetland—*Sawing Machine.*65518—G. L. Warner—*Railway Switch and Signal.*65519—J. B. Webb—*Farm Gate.*65516—B. S. Stokes—*For Heating Steel in Tempering.*65520—G. E. Whitmore—*Folding Chair.*

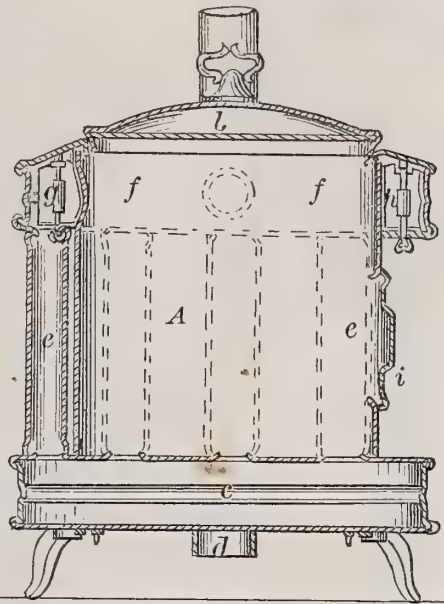
65521—G. E. Whitmore—*Wheel Hub*.



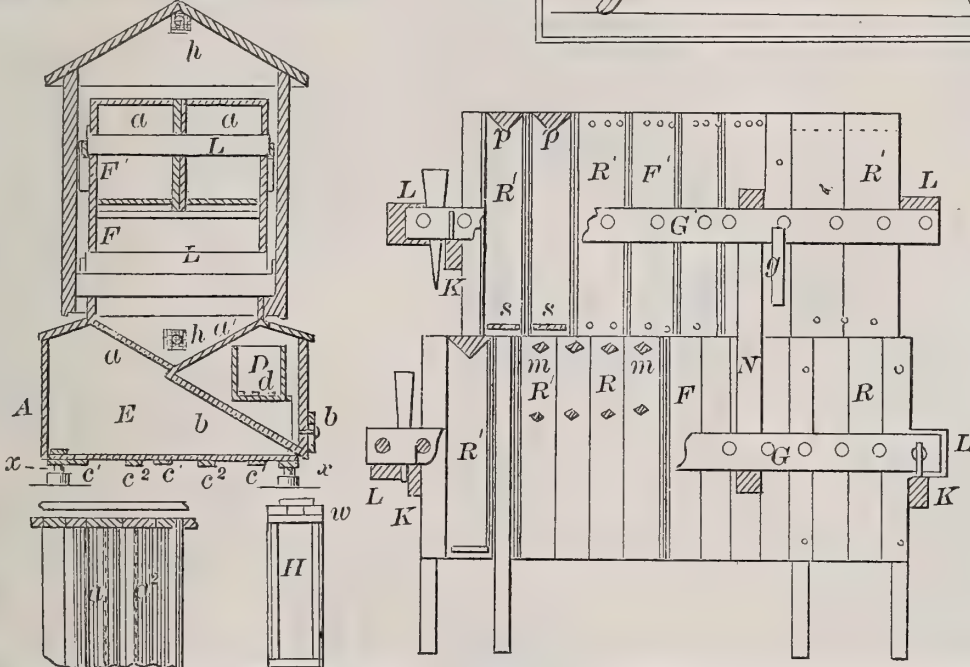
65523—Wright & Boody—*Bolt Cutter*.



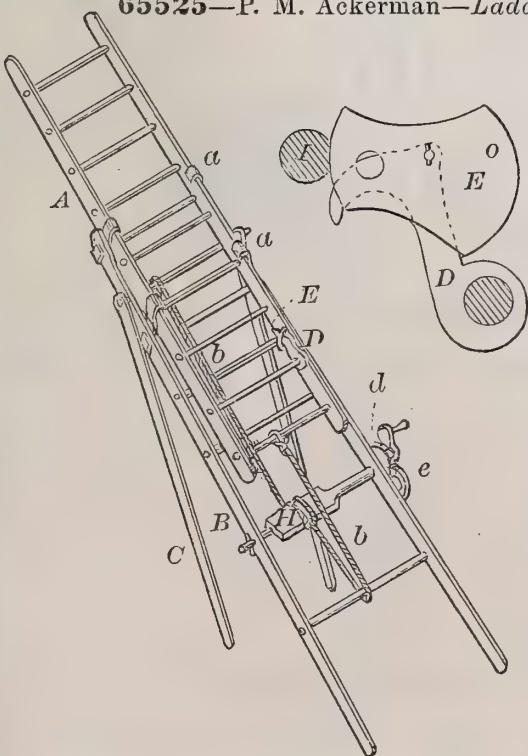
65524—T. Yates—*Heating Stove*.



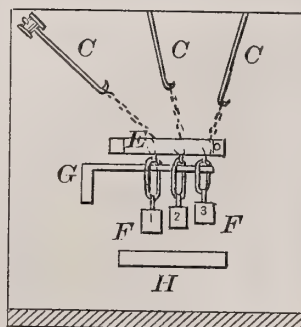
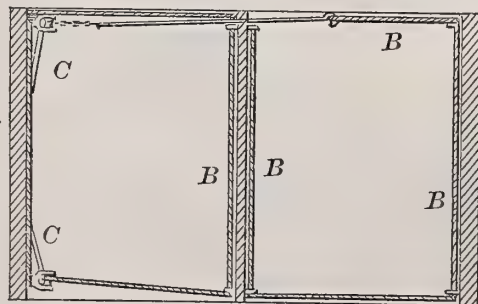
65522—A. T. Wright—*Beehive*.



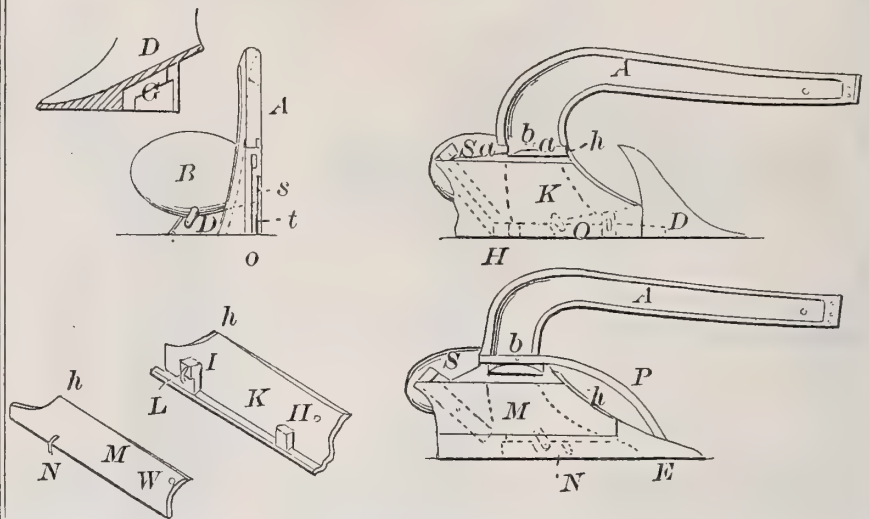
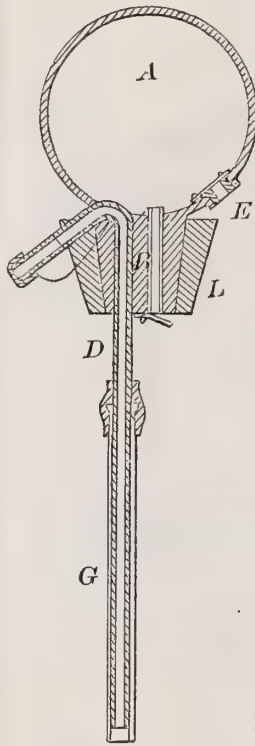
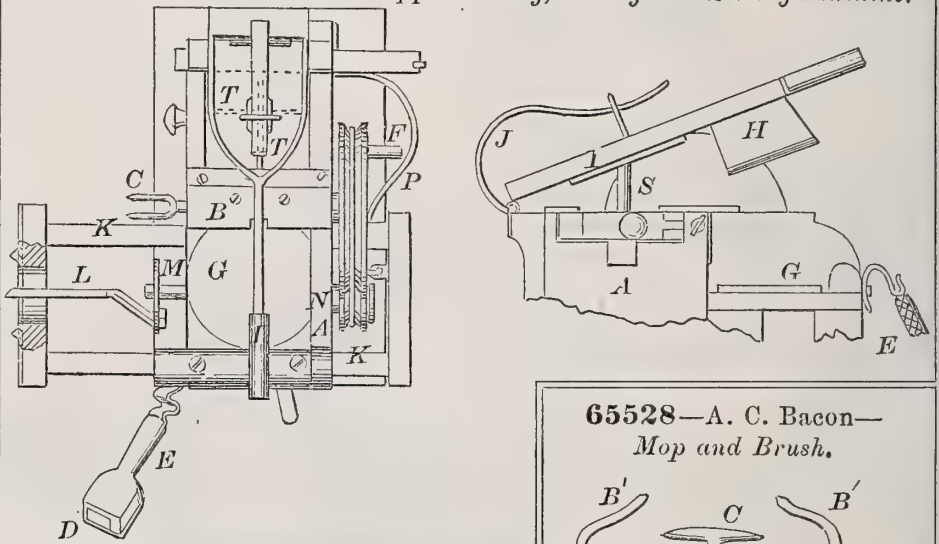
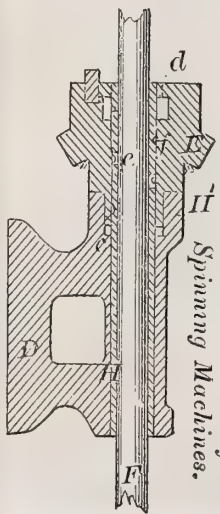
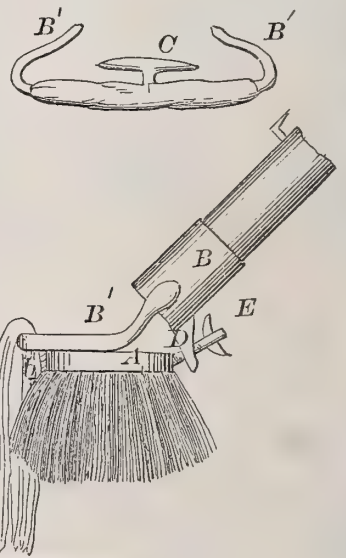
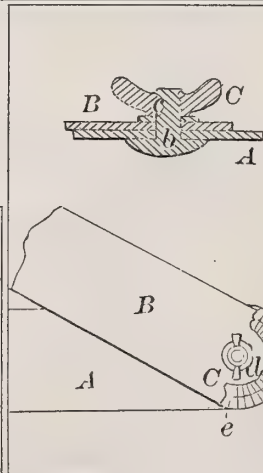
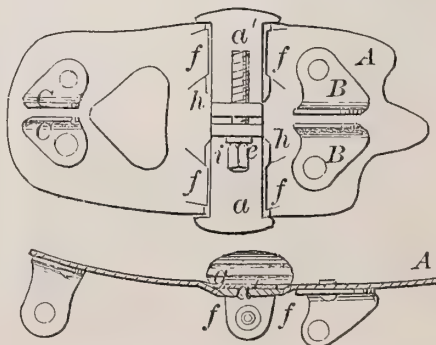
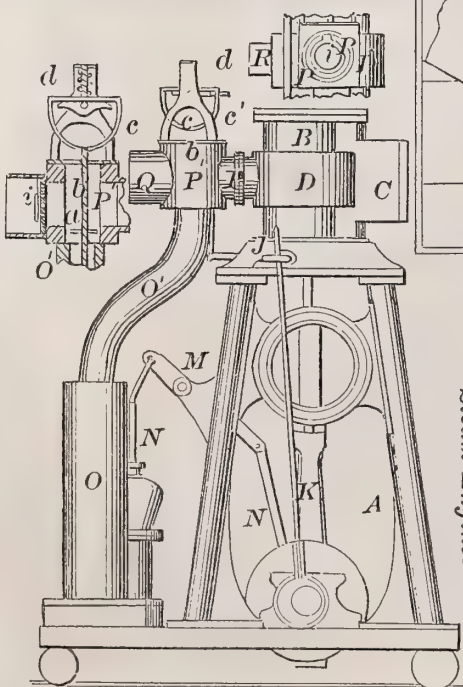
65525—P. M. Ackerman—*Ladder*.



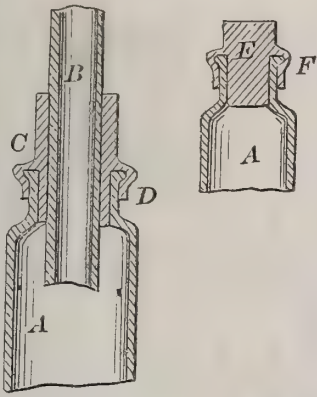
65526—Andrews, Cummer & Granweiler—*Fire Alarm*.



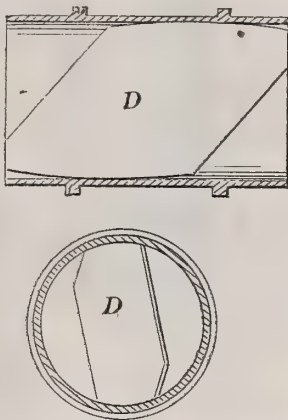


65529—E. Ball, Jr.—*Plow.*65527—G. Asmus—*Bottle Pump.*65534—A. McR. Blain—*Apple Paring, Coring and Slicing Machine.*65530—J. B. Bancroft—*Lubricator for Spinning Machines.*65528—A. C. Bacon—*Mop and Brush.*65532—Bickford & Flanders—*Graduated Bevel Square.*65531—Barney & Berry—*Skate.*65536—Brayton, Curtis & June—*Steam Engine.*

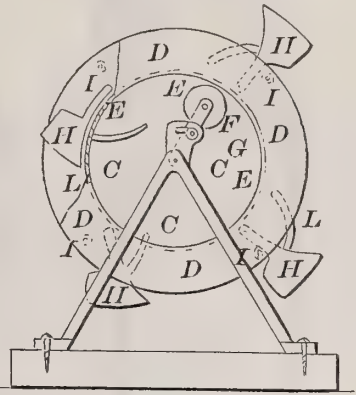
**65537**—W. D. Brown—*Bottle Stopper and Coupling.*



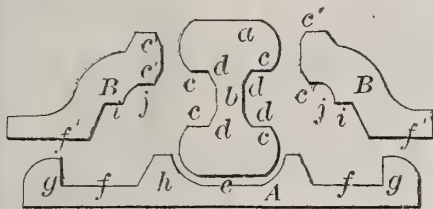
**65538**—W. Brückner—*For Desulphurizing Ores.*



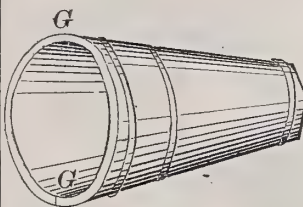
**65539**—E. G. Budd—*Water Wheel.*



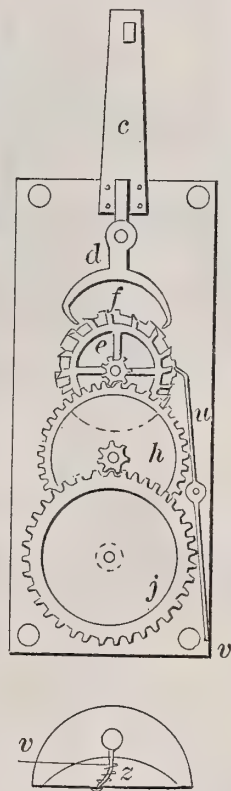
**65540**—S. S. Burt—*Railway Chair.*



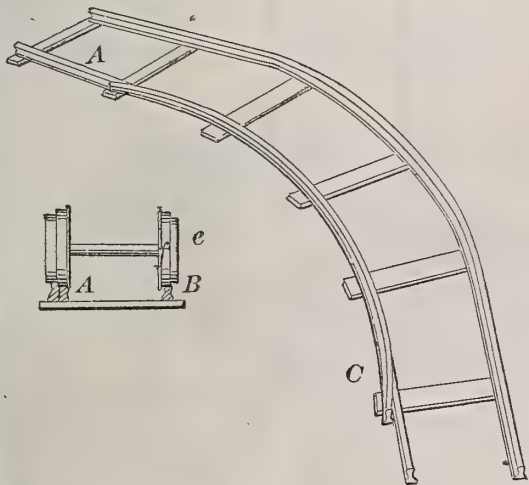
**65541**—C. L. Campbell—*Wagon Axletree.*



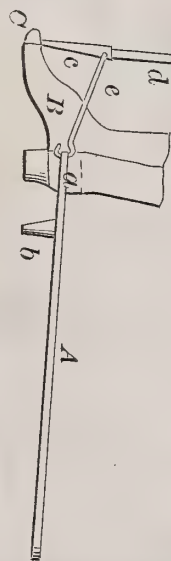
**65542**—H. C. Carden—*Metronome.*



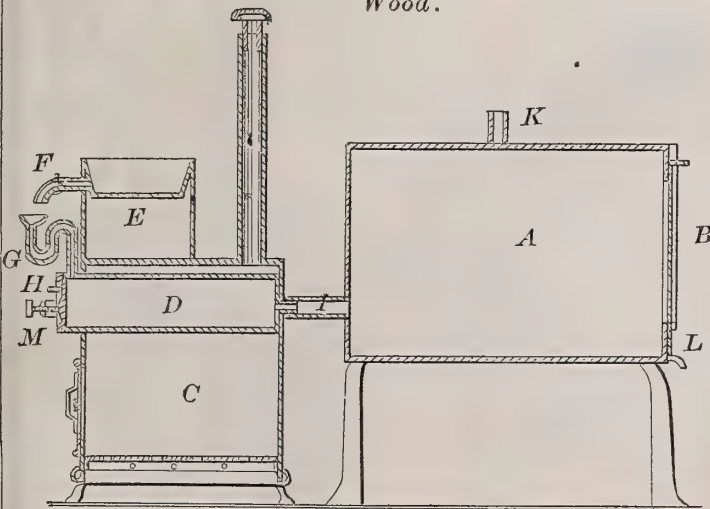
**65544**—G. Collyer—*Turning Curves of Railroads.*



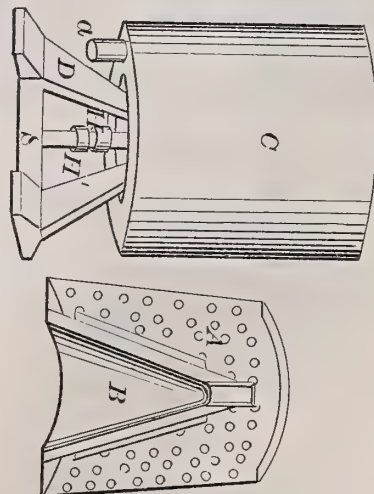
**65543**—C. Clay—*Boatjack.*



**65545**—Constant & Smith—*Seasoning and Preserving Wood.*

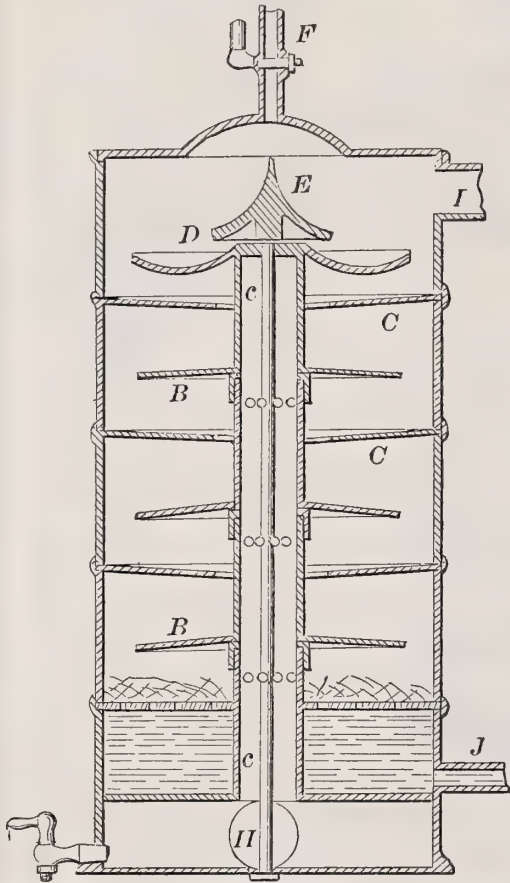


**65546**—H. A. Coppers—*For Draining Sugar.*

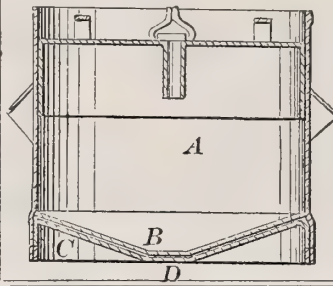




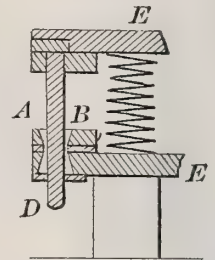
**65547**—Crighton & Wills—*Feed Water Heater.*



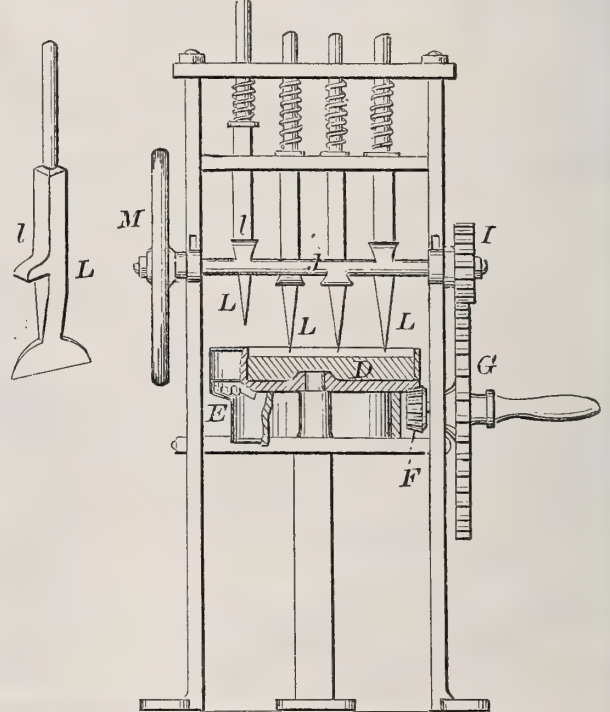
**65548**—A. P. Curry—*Milk Can.*



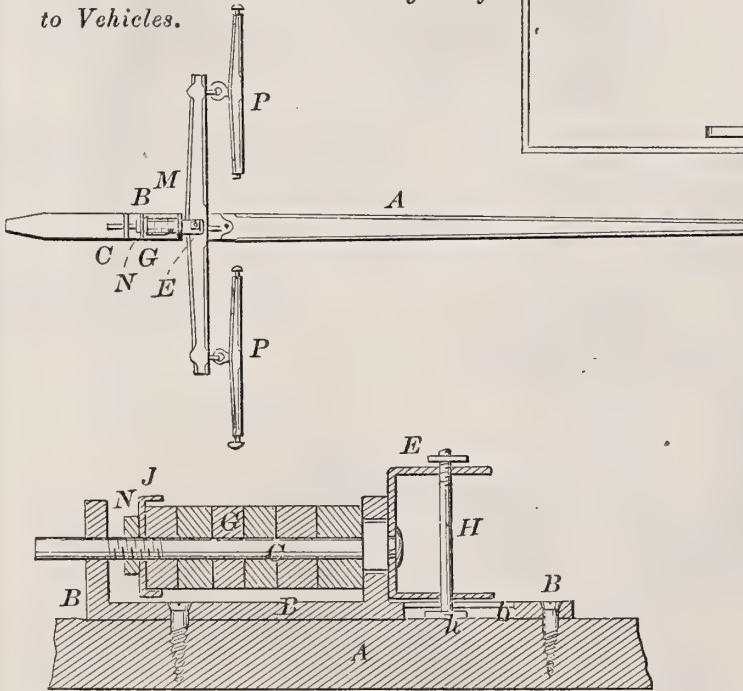
**65556**—  
J. S. Farrington—*Bed Bottom.*



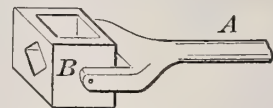
**65551**—D. S. Early—*Meat Cutter.*



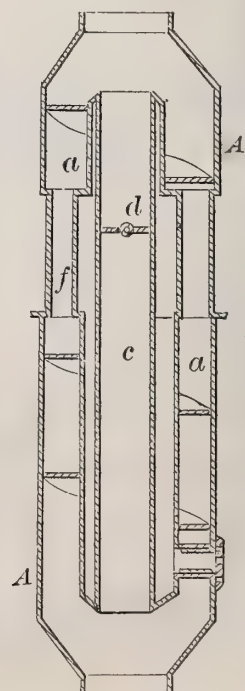
**65549**—G. S. Curtis—*Attaching Draft to Vehicles.*



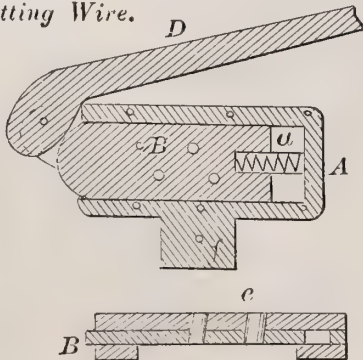
**65550**—W. P. Dunlap—*Wrench.*



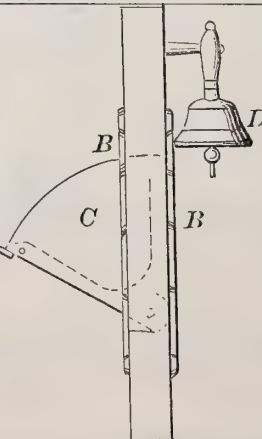
**65554**—A. Ernst—*Stove Pipe Drum.*



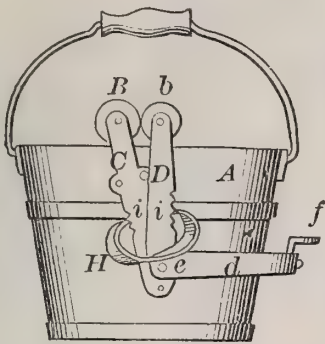
**65557**—W. H. Flinn—*Tool for Cutting Wire.*



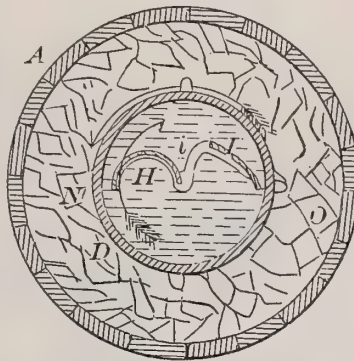
**65555**—J. B. Eustis—*Change Box*



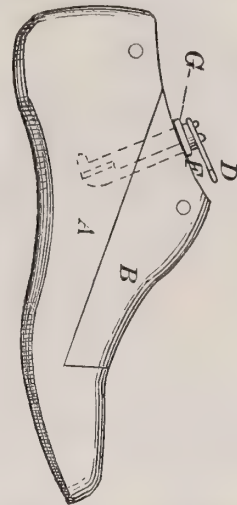
65558—Gage & Northrup—*Mop Wringer.*



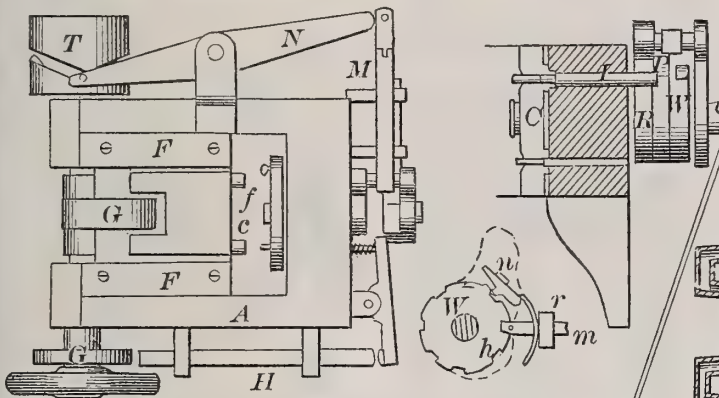
65559—C. Gooch—*Ice Cream Freezer.*



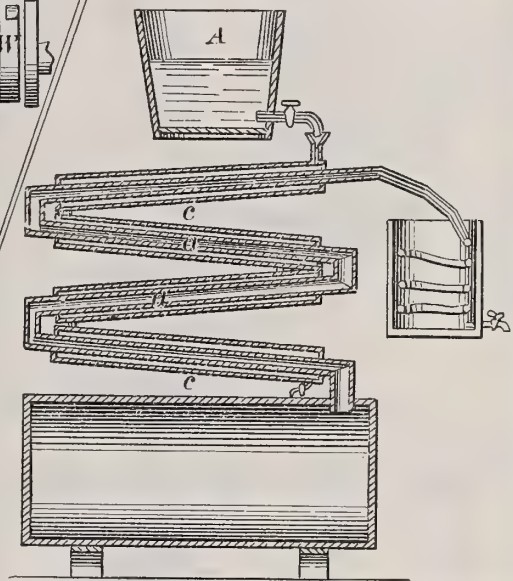
65560—D. Goodyear—*Last Lock.*



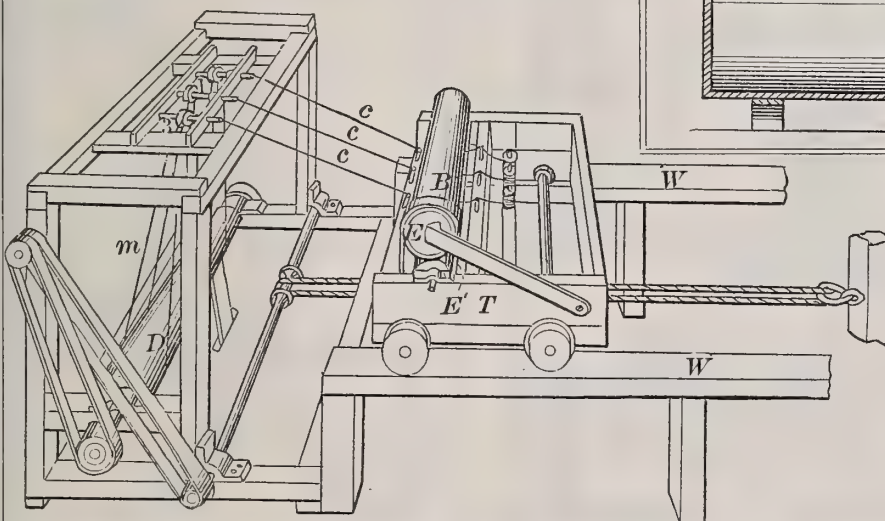
65561—Goodyear & Parker—*Bolt Heading Machine.*



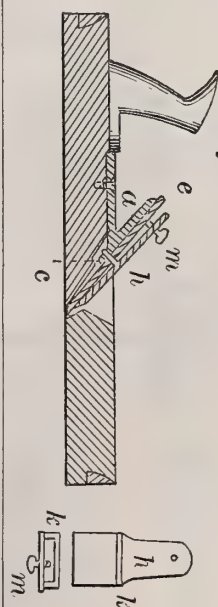
65564—G. Hadley—*Still.*



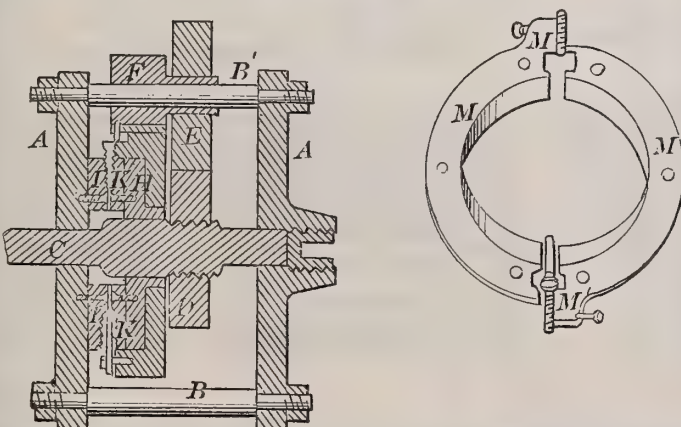
65565—J. Hall—*For Making Cordage.*



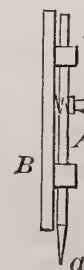
65562—A. Gray—*Joiner's Plane.*



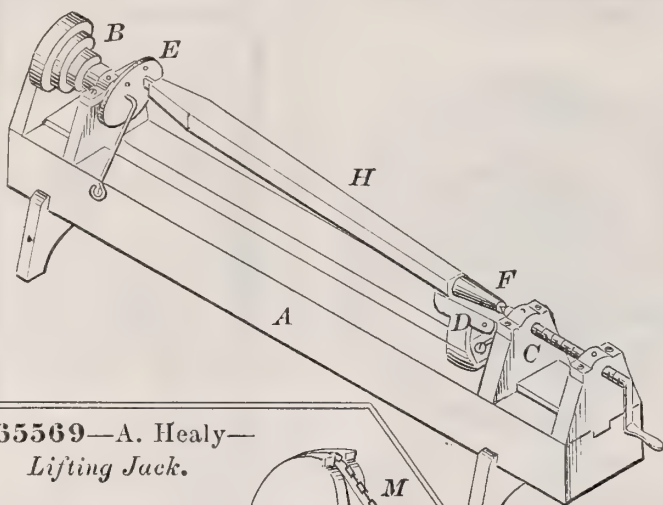
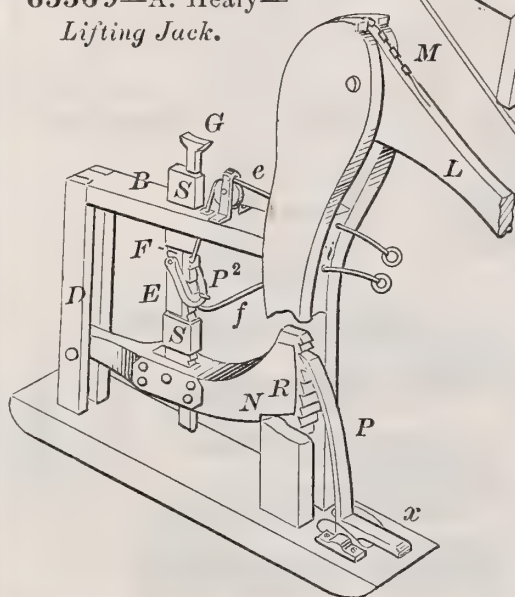
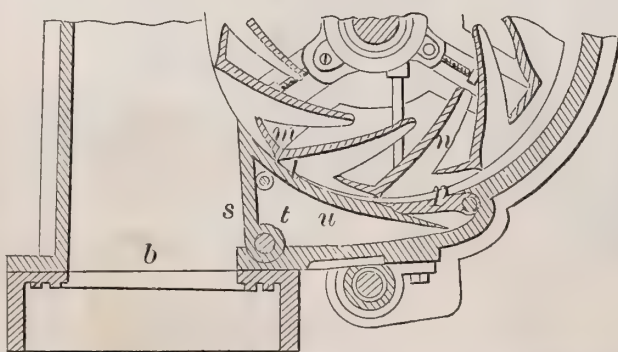
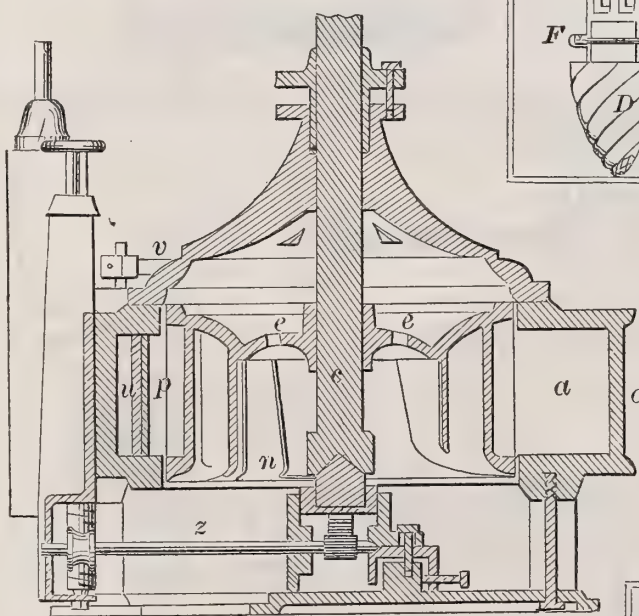
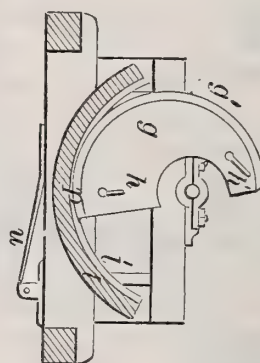
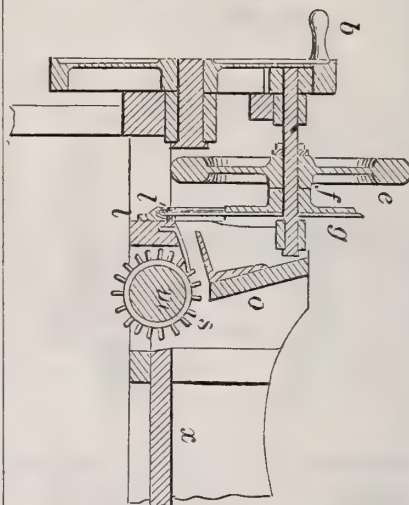
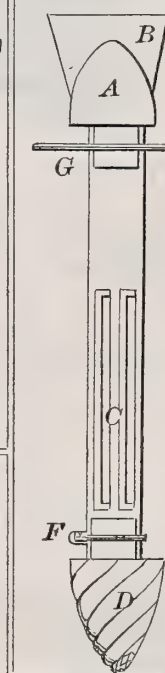
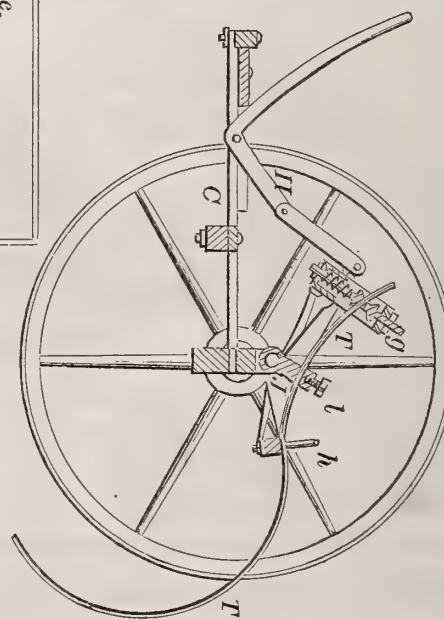
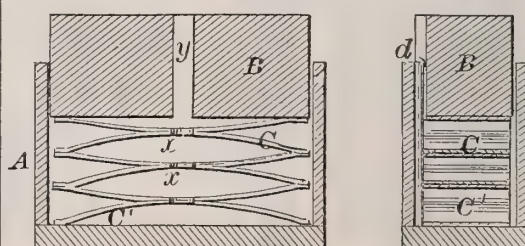
65567—H. J. Harwood—*Screw Machine.*



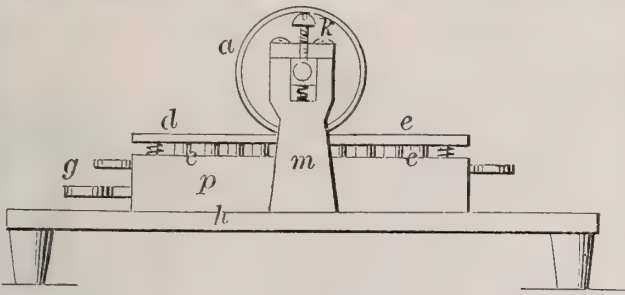
65566—Harris & Mosher—*Door Holder.*



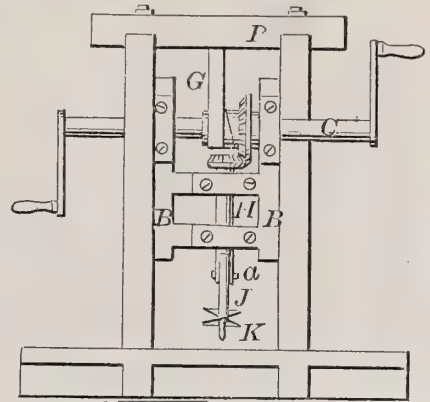


65568—H. R. Hawkins—*Lathe for Turning Wood.*65569—A. Healy—*Lifting Jack.*65572—G. W. Holden—*Water Wheel.*65571—H. Helm—*Feed Cutter.*65570—A. E. Heberd—*Well Tube.*65573—J. Hollingsworth—*Horse Rake.*65574—E. J. Horner—*Car Spring.*

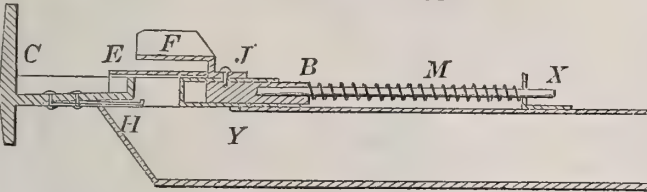
65575—Howell & Carter—Lozenge Machine.



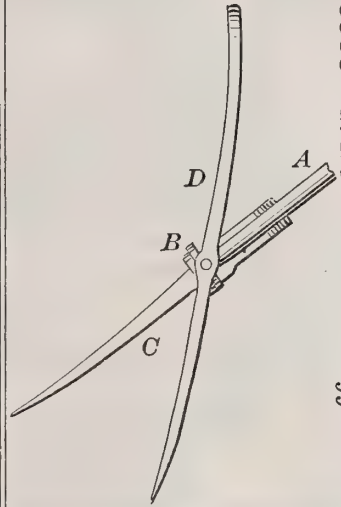
65577—Killgore, Clapsaddle & Snart—Post Hole Auger.



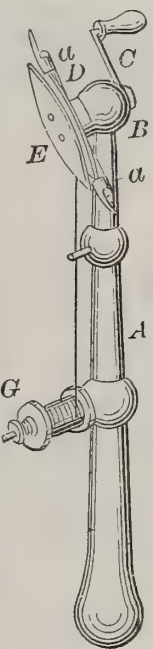
65578—R. B. Killin—Corn Dropper.



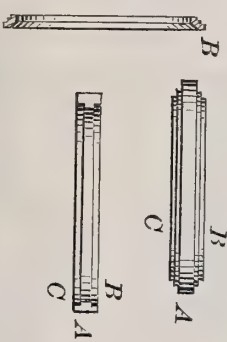
65583—G. Meader—Potato Digger.



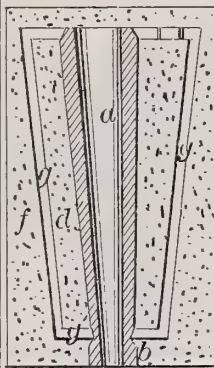
65576—H. P. Jones—Winding Treading Shutles.



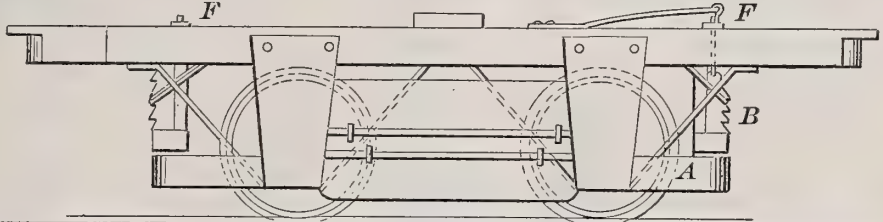
65579—G. W. Ladd—Making Side Bands of Watch Cases.



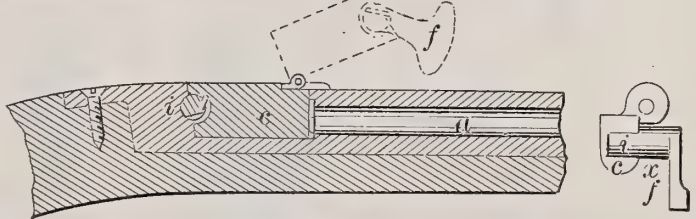
65581—W. P. Lewis—Casting Tuggeres.



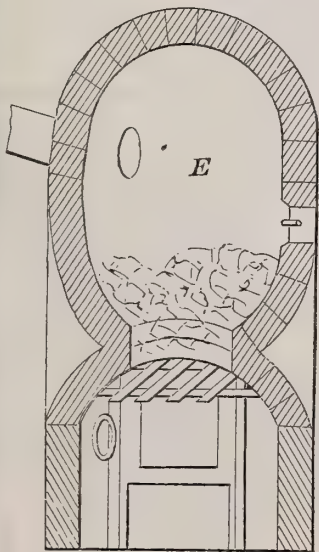
65582—S. Males—Safety Guard for Railway Cars.



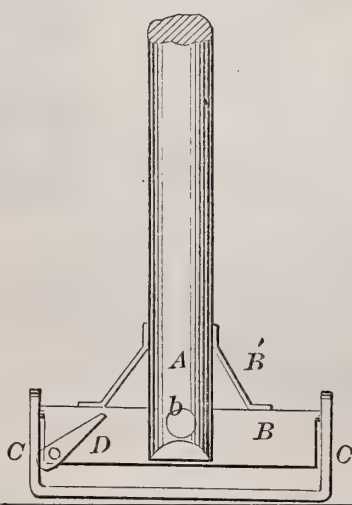
65585—I. M. Milbank—Breech-Loading Fire Arm.



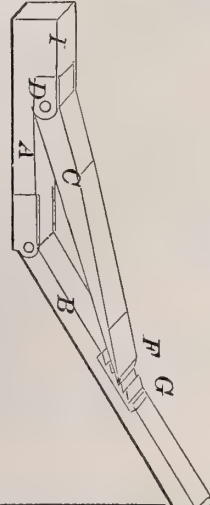
65586—E. W. Nohl—Furnace for Reducing Ores.



65584—G. Meader—Mop Head



65587—I. G. Northway—Threshing Machine.

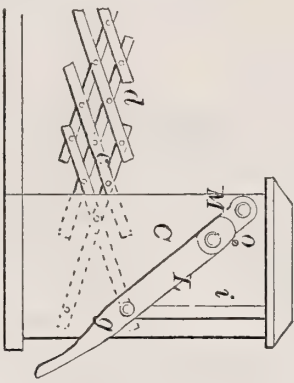




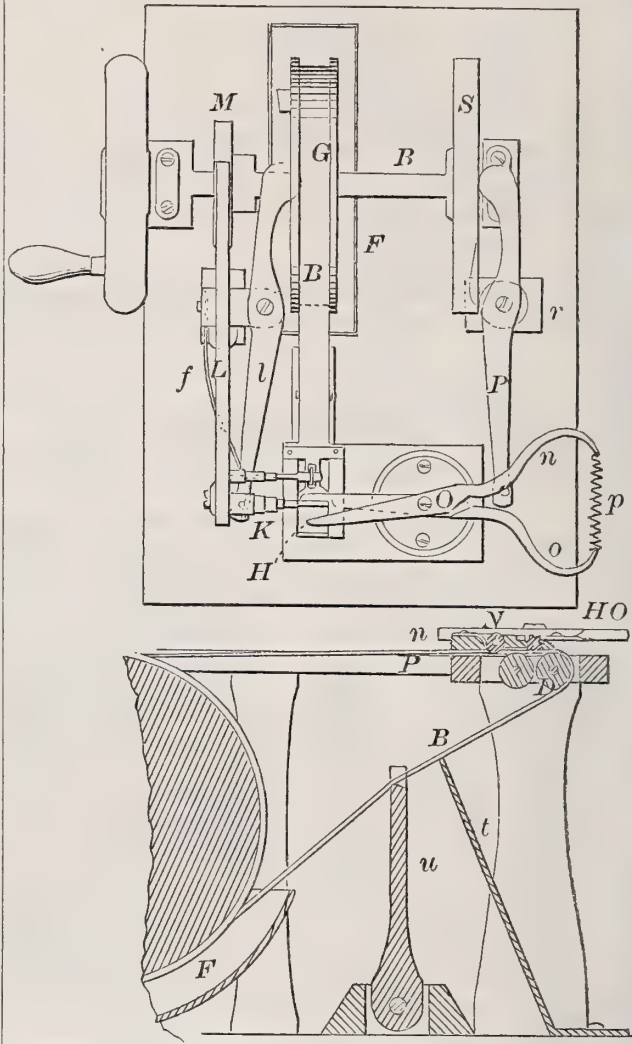
65588—A. M. Olds—Self-Adjusting Wrench.



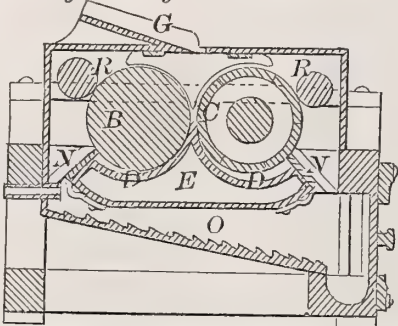
65591—C. H. Paine—Gate.



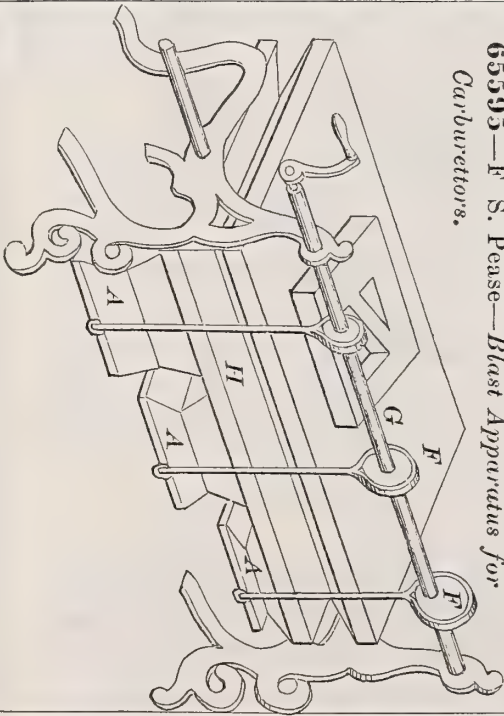
65590—J. A. Olney—For Making Paper Tubes.



65593—Parrott & Bordman—For Amalgamating Gold and Silver.



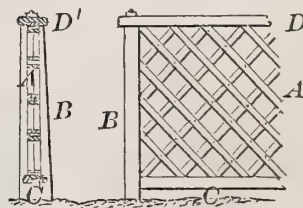
65595—F. S. Pease—Blast Apparatus for Carburetors.



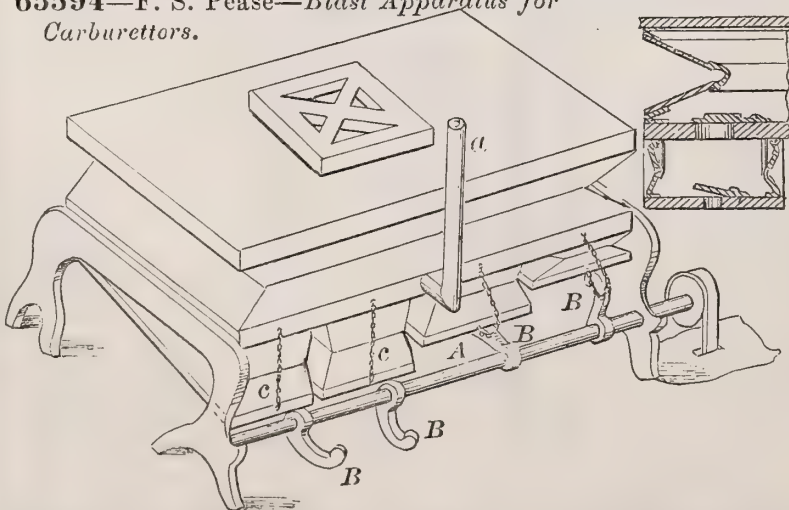
65589—A. M. Olds—Pliers.



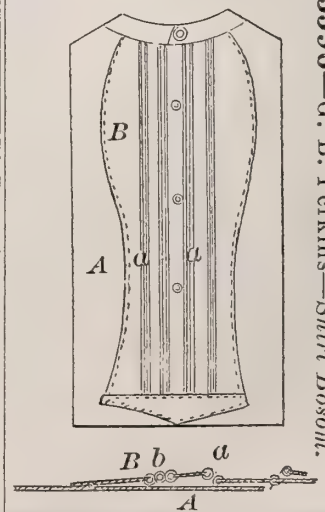
65592—C. H. Paine—Fence.



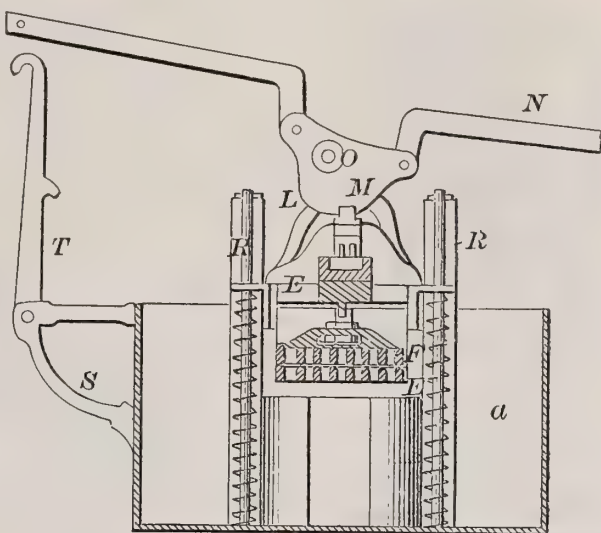
65594—F. S. Pease—Blast Apparatus for Carburetors.



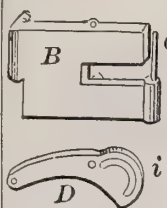
65596—G. B. Perkins—Shirt Bosom.



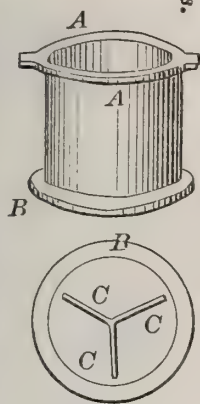
65598—E. S. Piper—*For Hardening Saws.*



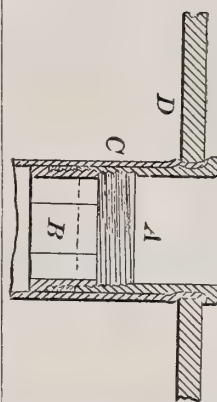
65601—J. W. Powers—*Hinge.*



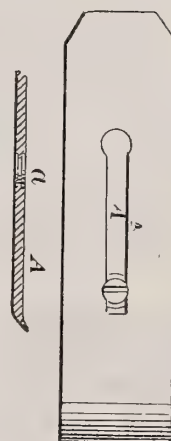
65597—C. W. Pierce—*Pot for Charring Bones.*



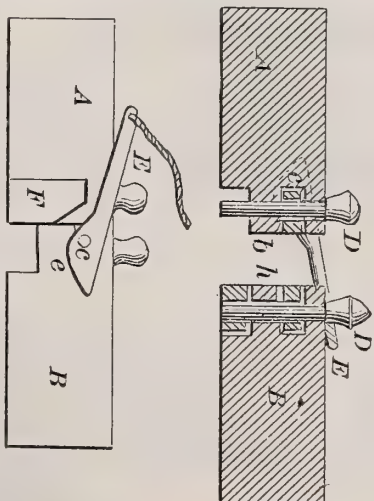
65603—P. Quinn—*Ferrule for Stopping Leaks in Boiler Tubes.*



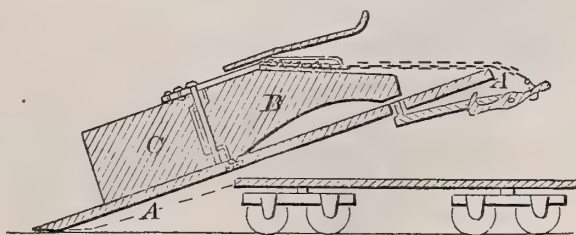
65604—N. B. Reynolds—*Plane Iron.*



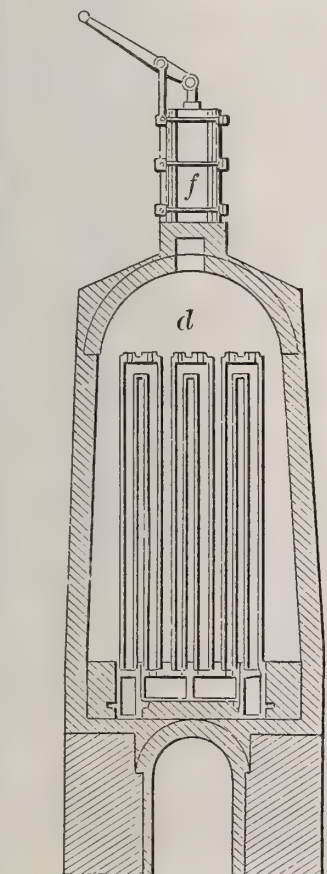
65602—S. Puffer—*Car Coupling.*



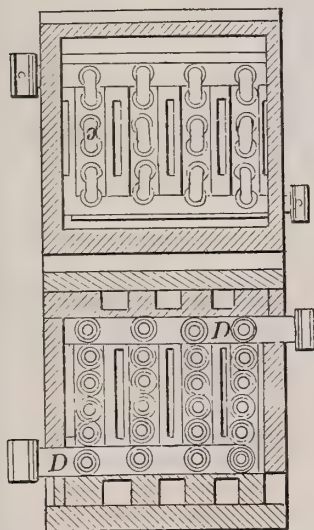
65605—S. Richards—*Snow Plow.*



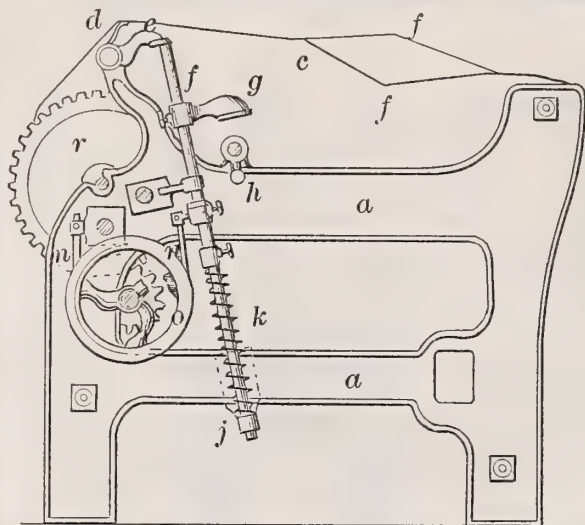
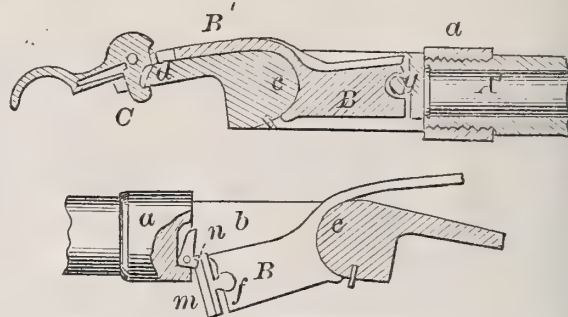
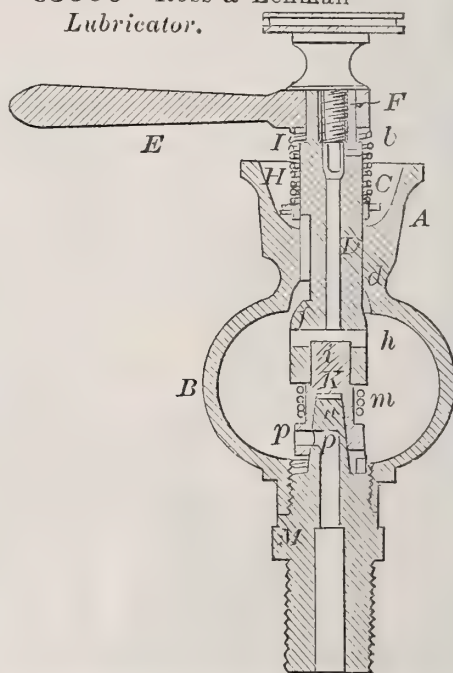
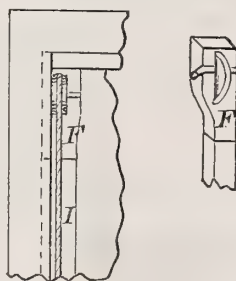
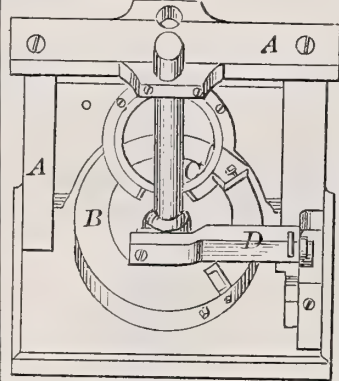
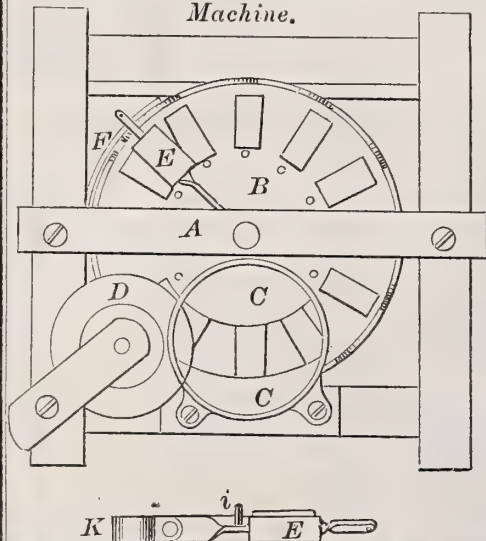
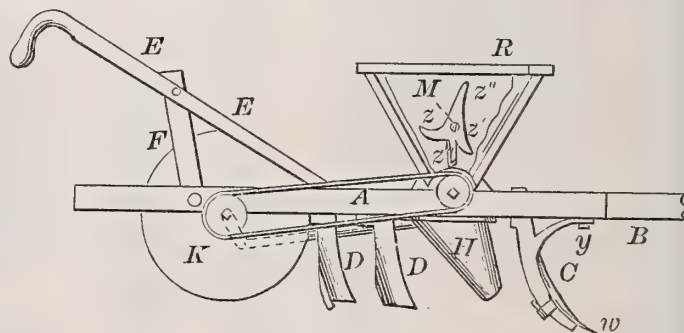
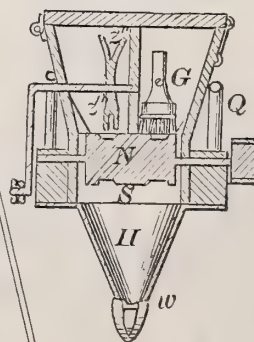
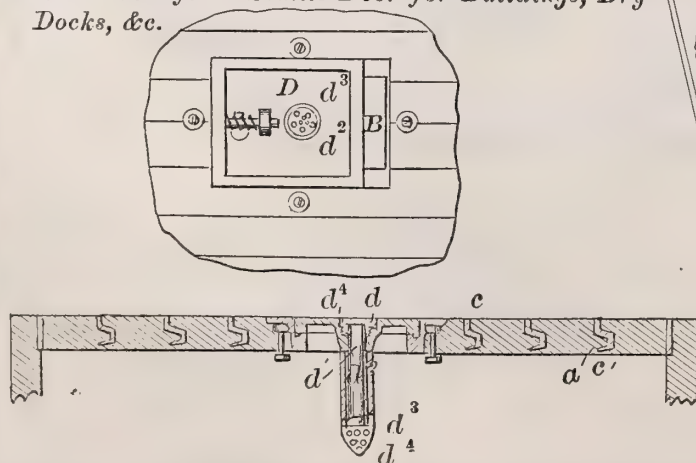
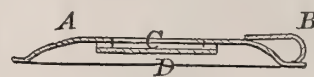
65599—J. Player—*Hot Blast Stove.*



65600—*For Heating Furnace Blasts.*





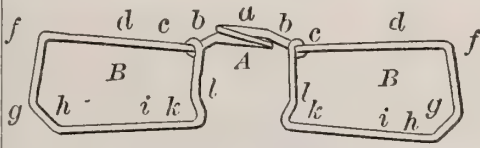
65606—G. Richardson—*Let-off for Looms.*65607—B. S. Roberts—*Breech-Loading Fire Arm.*65609—Ross & Lehman—*Lubricator.*65608—W. Robertson—*Hanging Window Sash.*65612—H. C. Sergeant—*Brick Machine.*65613—H. C. Sergeant—*Brick Machine.*65610—A. P. Routt—*Seeding Machine and Fertilizer.*65611—J. Ryan—*Scuttle Door for Buildings, Dry Docks, &c.*65614—R. Shaler—*Gridiron Cover.*

65615—

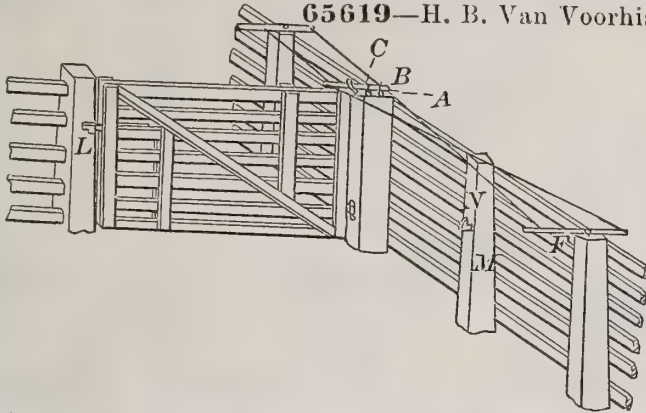
W. H. Shurtleff—  
Button Lacing Hook.



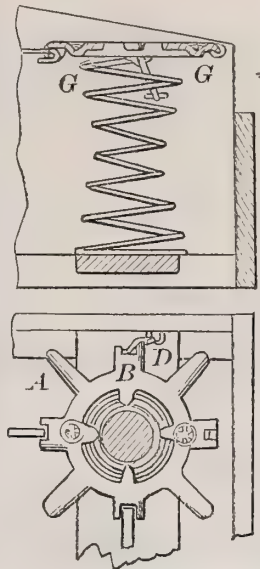
65616—D. M. Skinner—Plate Lifter.



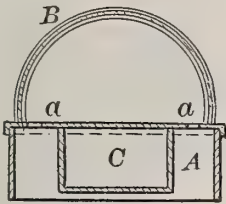
65619—H. B. Van Voorhis—Gate.



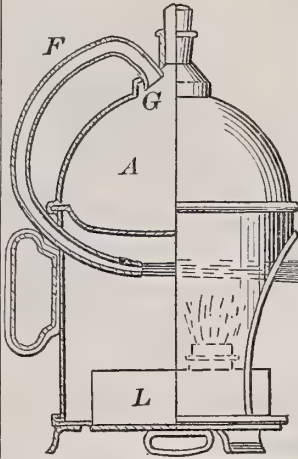
65617—A. Tower—Cap for Upholsterer's Springs.



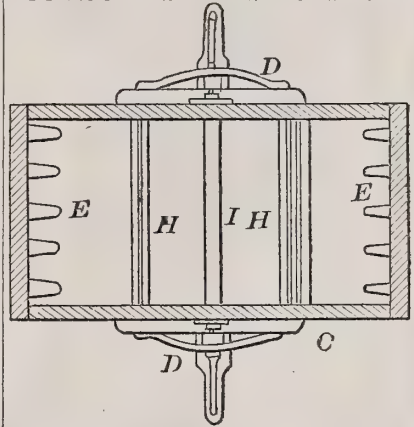
65618—J. H. Treadwell—  
Tart Cutter.



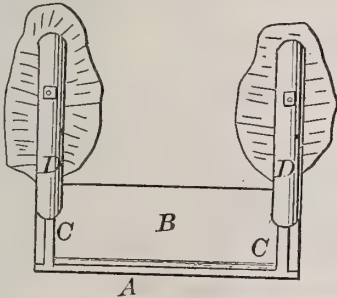
65621—W. W. Wakeman, Jr.—Lamp  
for Burning off Paint.



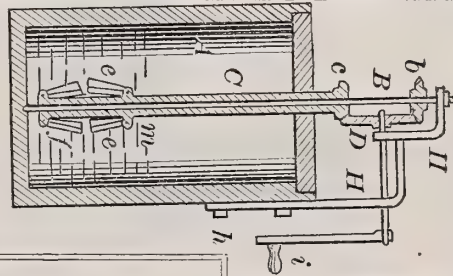
65620—A. Votaw—Churn.



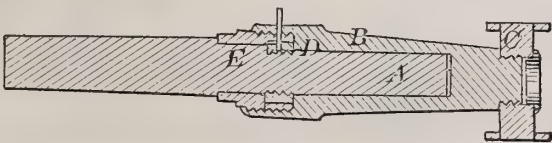
65624—J. Whit—  
Foot Scraper.



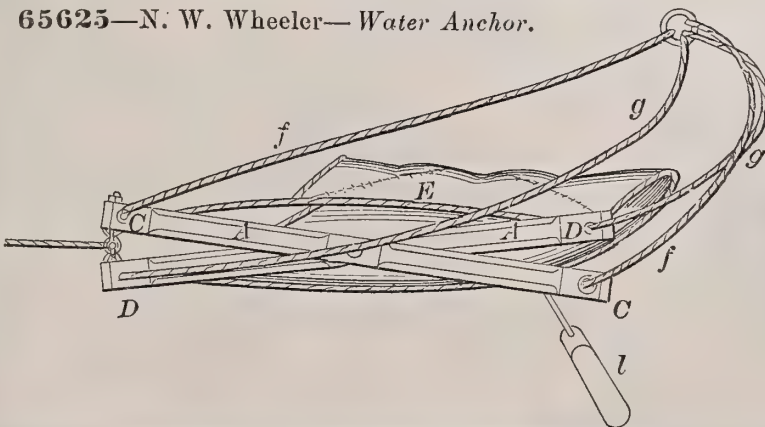
65623—  
C. E. Warner—  
Churn.



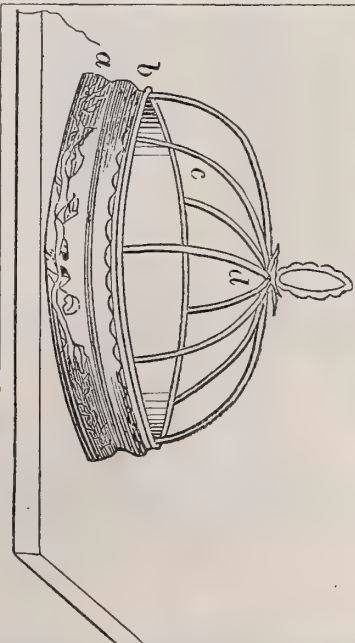
65622—J. N. & T. Wallis—Wagon Axle and Box.



65625—N. W. Wheeler—Water Anchor.

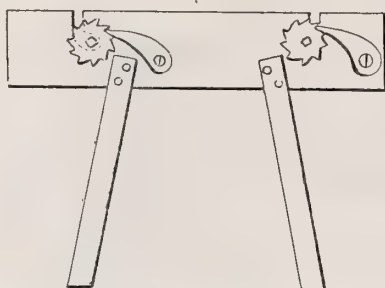


65626—W. H. White—Dish Cover.

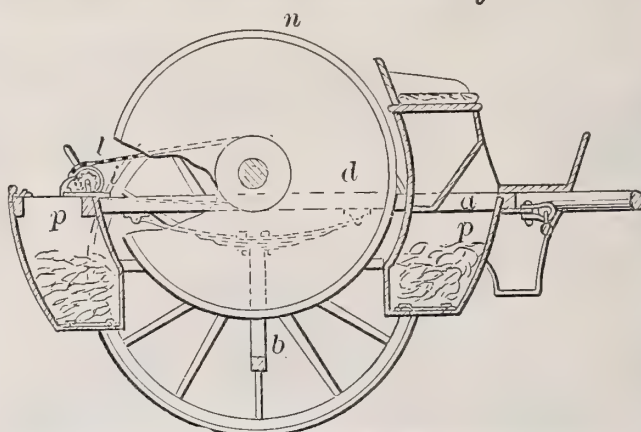






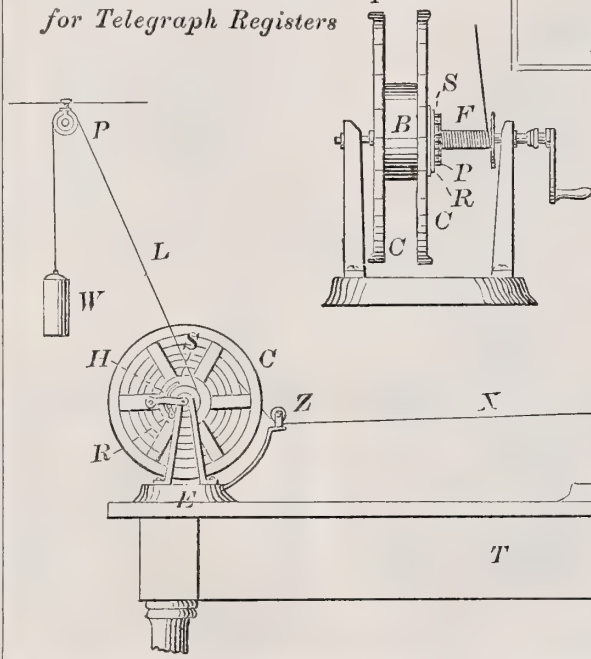
65627—A. S. Winner—*Quilting Frame.*



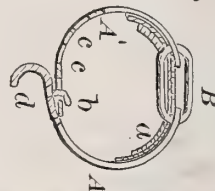
**65634**—N. S. Bean—*Hose Carriage.*



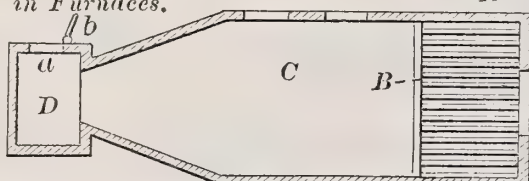
65628—L. W. Worth—*Paper Reel for Telegraph Registers*  



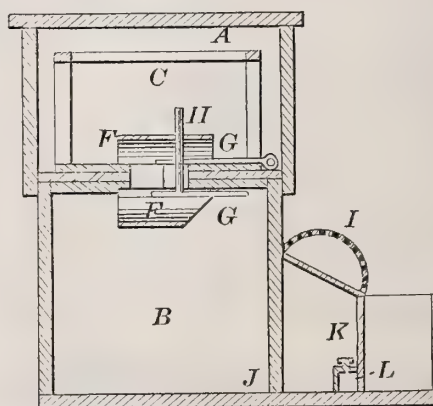
**65632**—D. B. Baker—*Bag Fastener.*



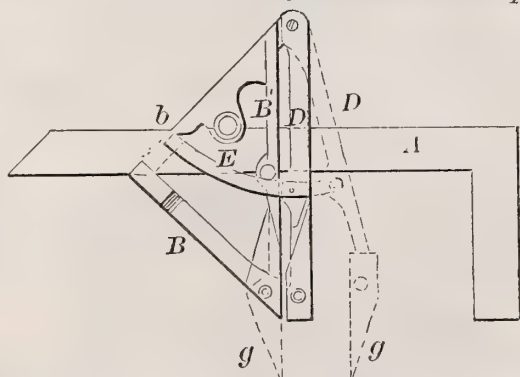
65630—J. C. Bagnall—*Checking the Draught*  
in Furnaces.



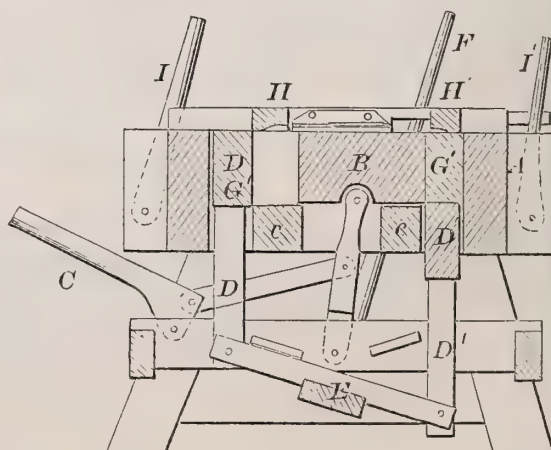
65629—W. J. Andrews—*Beehive*.



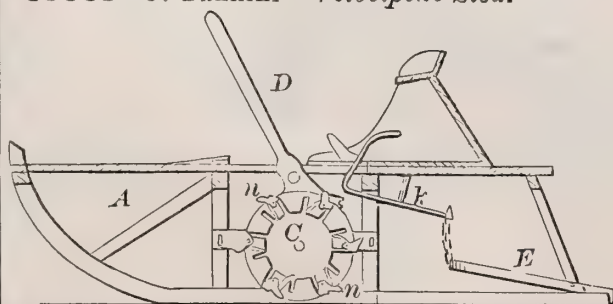
**65631**—D. A. B. Bailey—*Combination Square.*



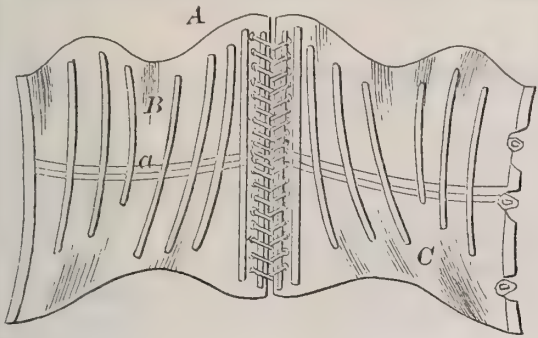
65635—C. Becker—*Brick Press.*



**65633**—J. Bannihr—*Velocipede Sled.*



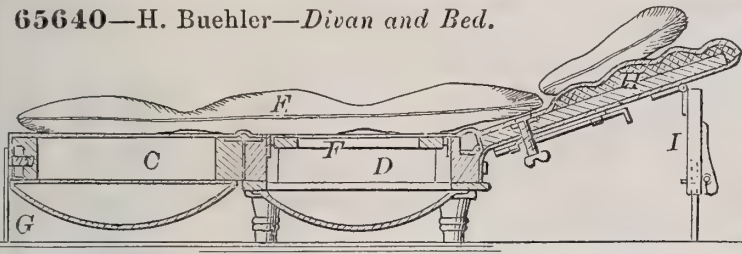
65636—M. H. Beckworth—Corset.



65638—P. Broadbooks—Wire Cutting Pincers.



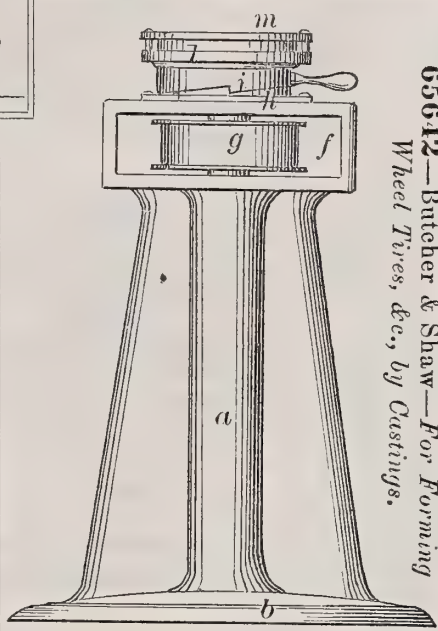
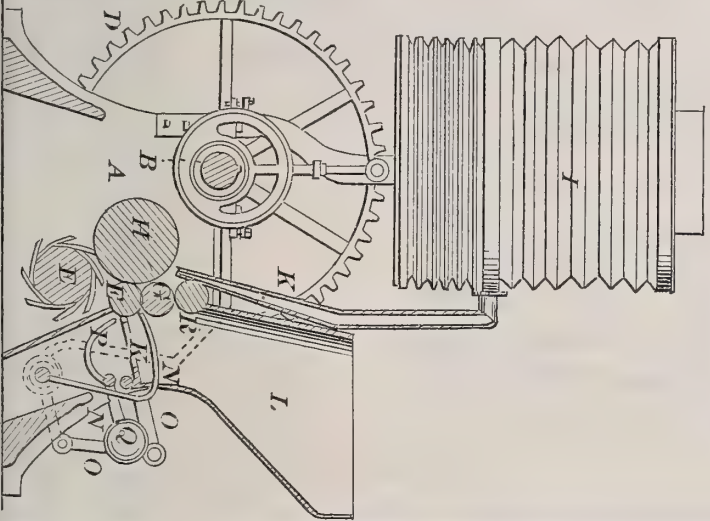
65640—H. Buehler—Divan and Bed.



65636—E. L. Bolster—Blacking Dish and Knife.

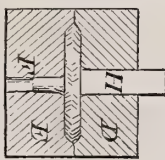
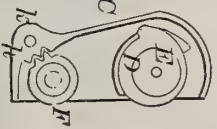


65643—J. A. Chaufourier—Cotton Gin.

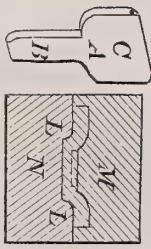


65642—Butcher & Shaw—For Forming Wheel Tires, etc., by Castings.

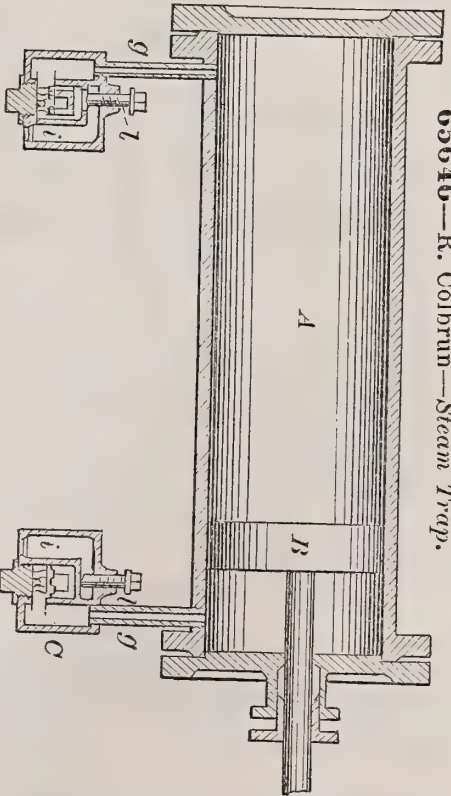
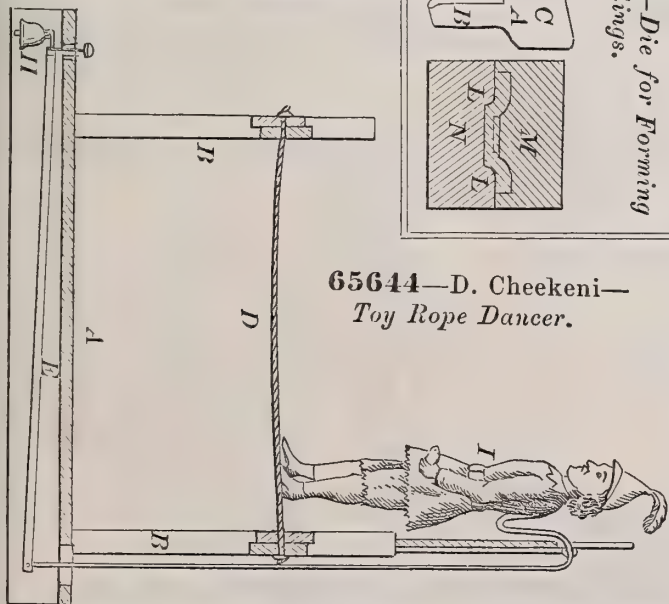
65645—C. B. Clark—Sash Lock.



65641—L. Burns—Die for Forming Thill Couplings.



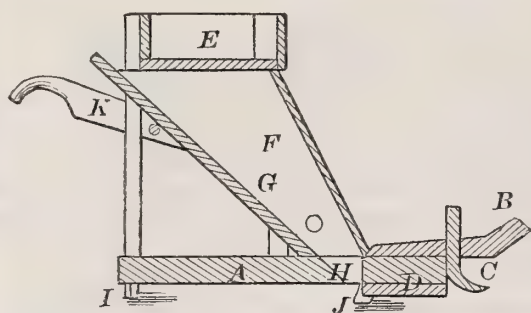
65644—D. Cheekeni—Toy Rope Dancer.



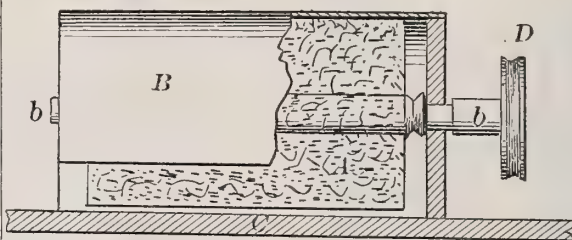
65646—R. Colbrun—Steam Trap.



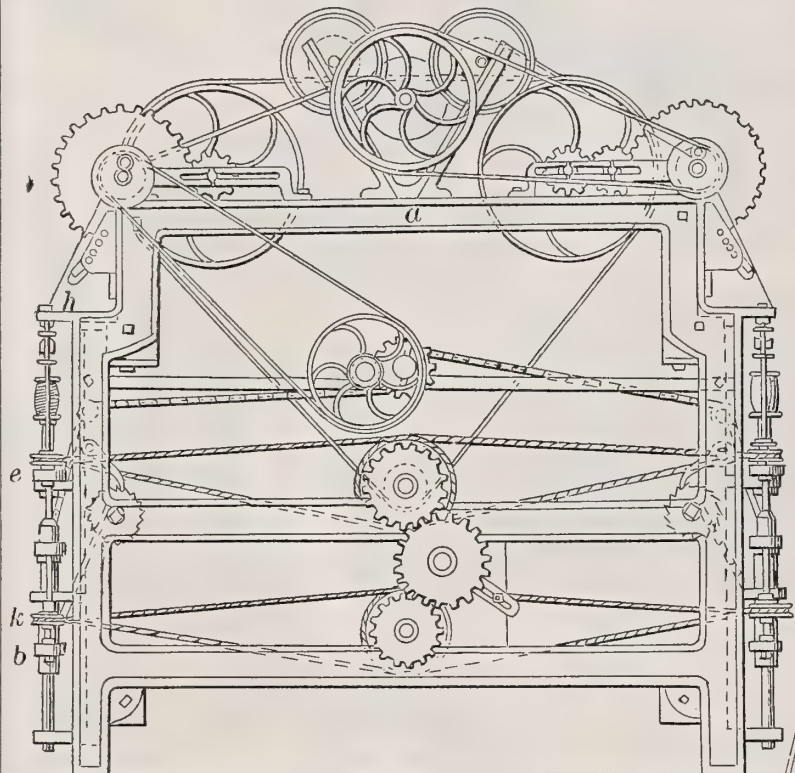
65647—J. A. Cox—Cotton Seed Planter.



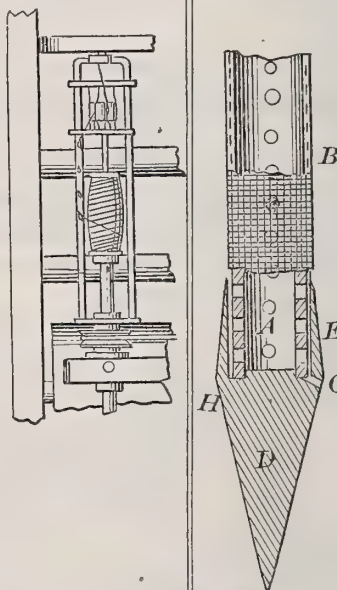
65649—G. H. Cross—Rotary Dough Dresser.



65650—J. E. Crowell—Spinning Frame.



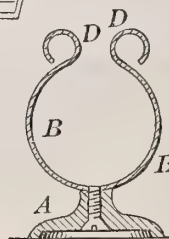
65648—S. F. Craig—Well Tube.



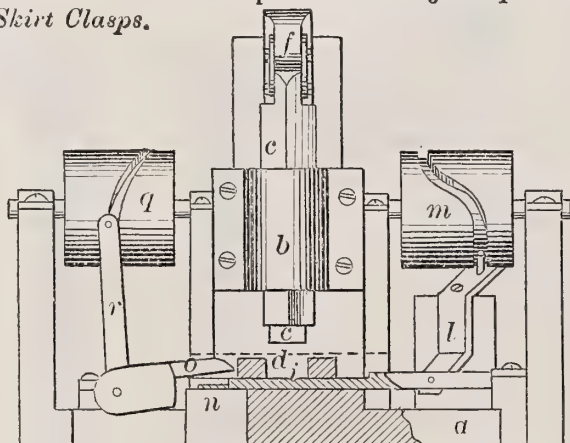
65651—G. C. Davies—Wood Screw.



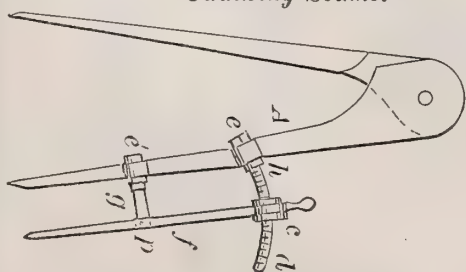
65653—W. L. Dewey—Napkin Holder.



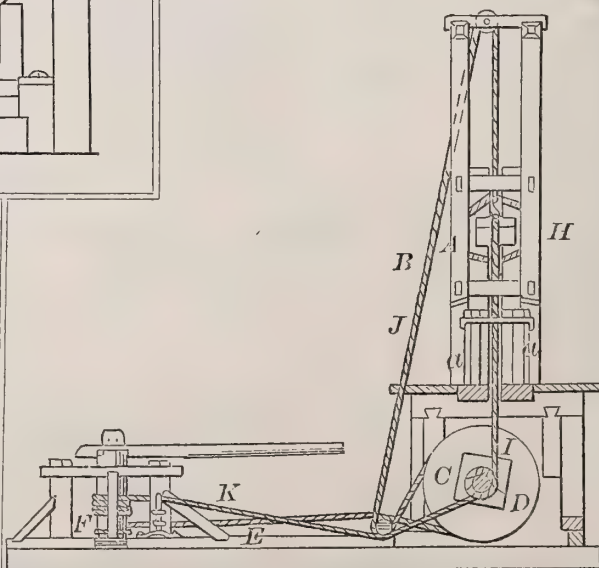
65652—A. Delkescamp—For making Hoop Skirt Clasps.



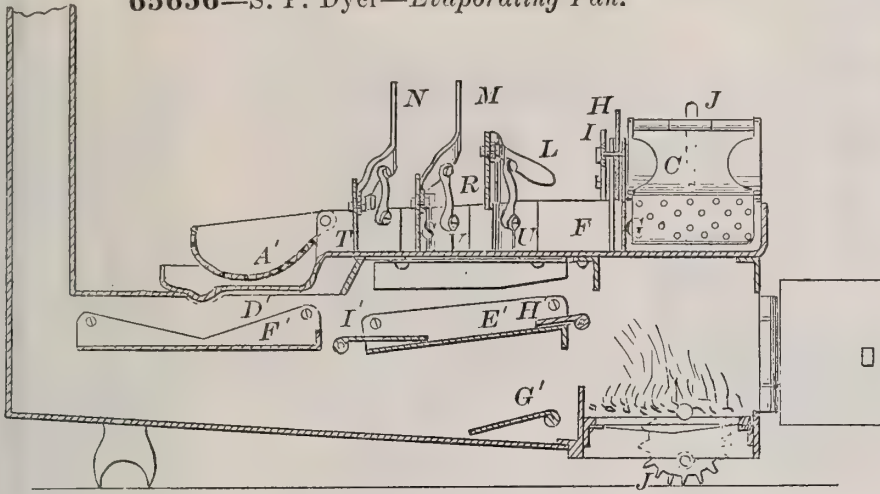
65654—G. Dowling—Compass used in Caulking Seams.



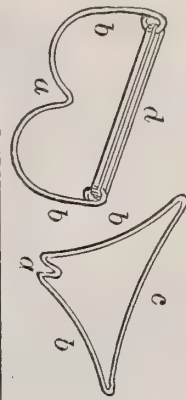
65655—J. C. Duvoll—Cotton Press.



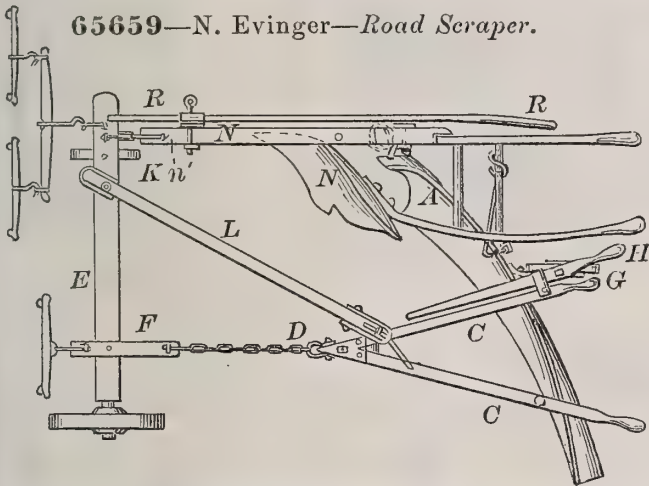
65656—S. P. Dyer—*Evaporating Pan.*



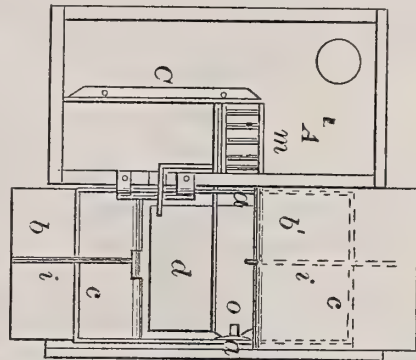
65663—A. D. George—*Scarf Supporter.*



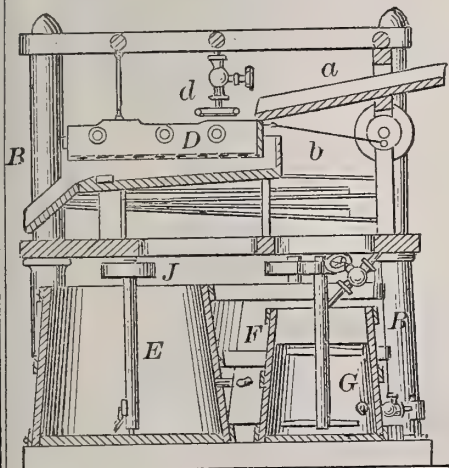
65659—N. Evinger—*Road Scraper.*



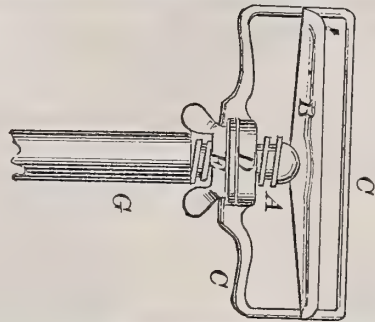
65661—A. Frost—*Animal Trap.*



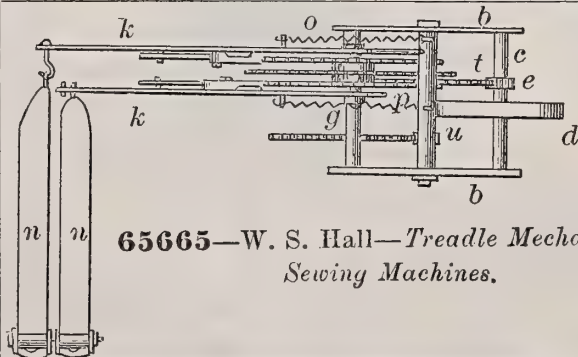
65664—J. J. Gilbert—*Manufacture of Starch.*



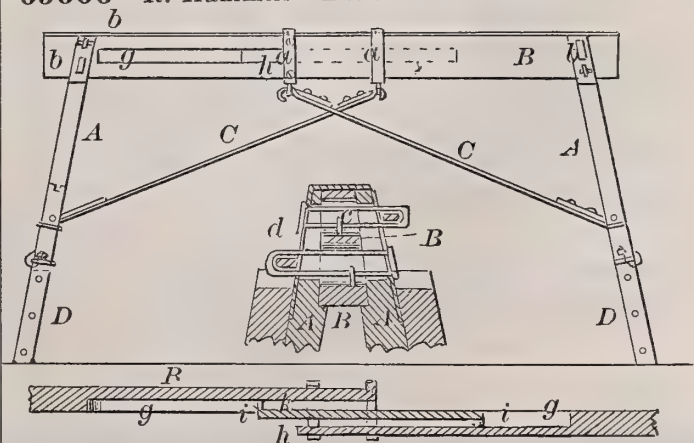
65662—O. S. Garretson—*Map Head.*



65665—W. S. Hall—*Treadle Mechanism for Sewing Machines.*

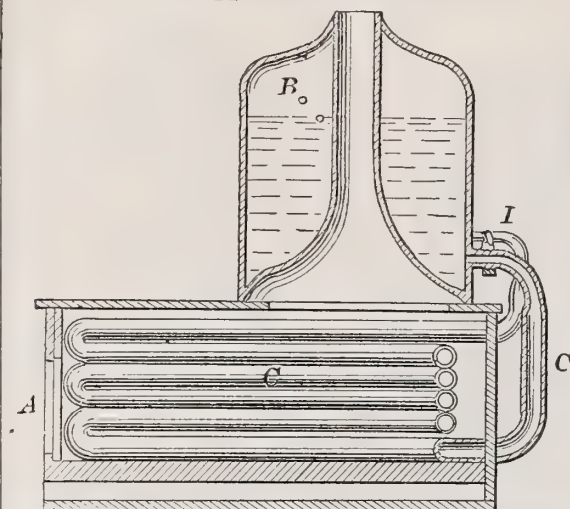


65666—R. Hammill—*Extension Horse.*

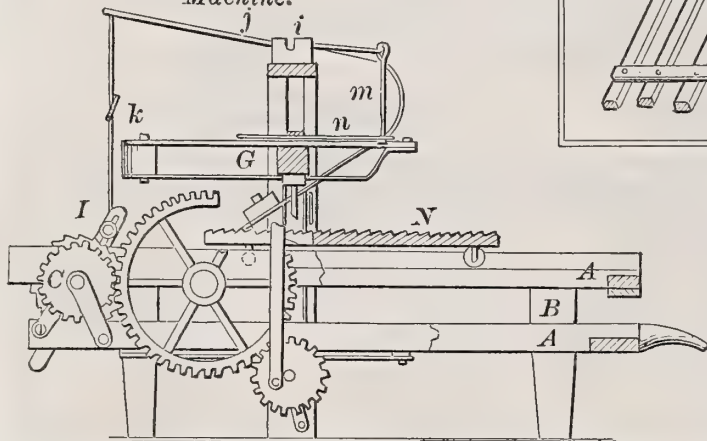




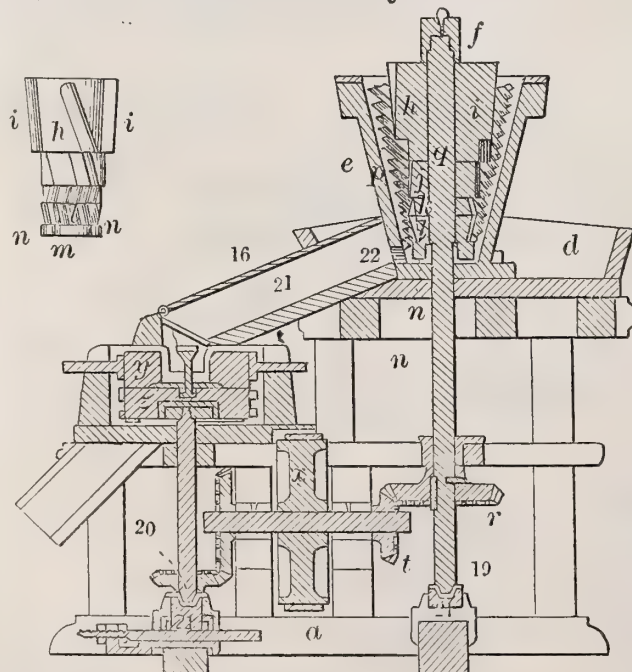
65667—S. T. Harker—*Steam Heating Apparatus.*



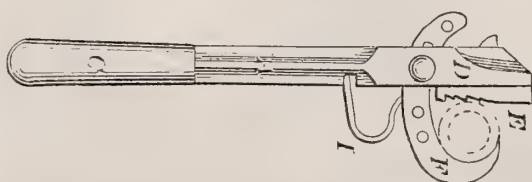
65669—H. Hassenpflug—*Sawing Machine.*



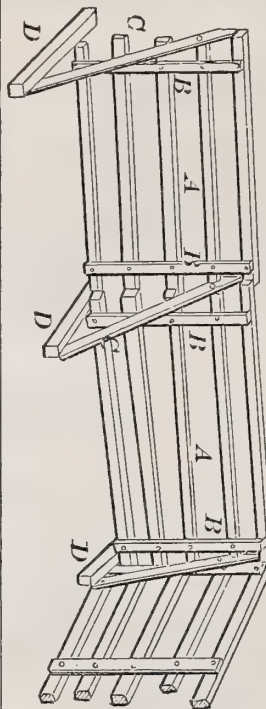
65675—Hubbell & Patton—*Quartz Mill.*



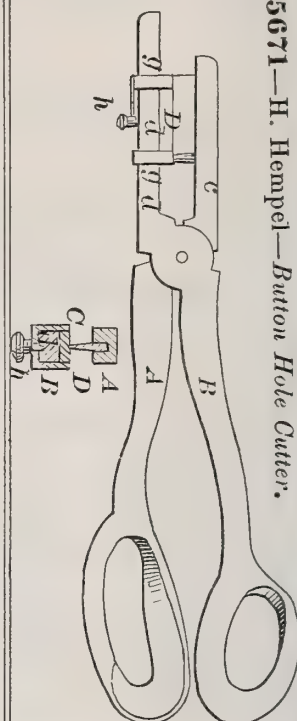
65678—G. B. Keeler—*Wrench.*



65670—J. Hancock—*Field Fence.*



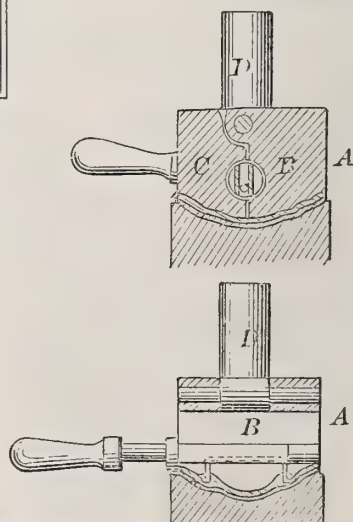
65671—H. Hempel—*Button Hole Cutter.*



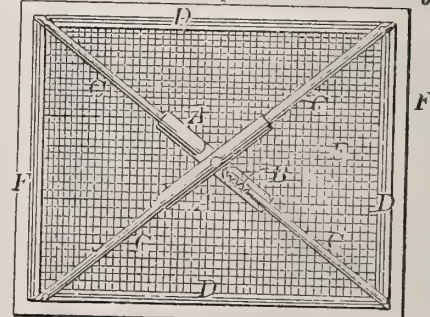
65668—H. J. Harwood—*Wood Screw.*



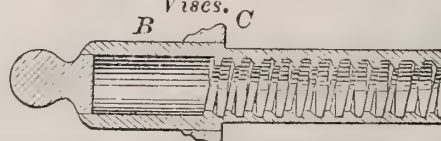
65672—Hilbright & Reynolds—*Rosette.*



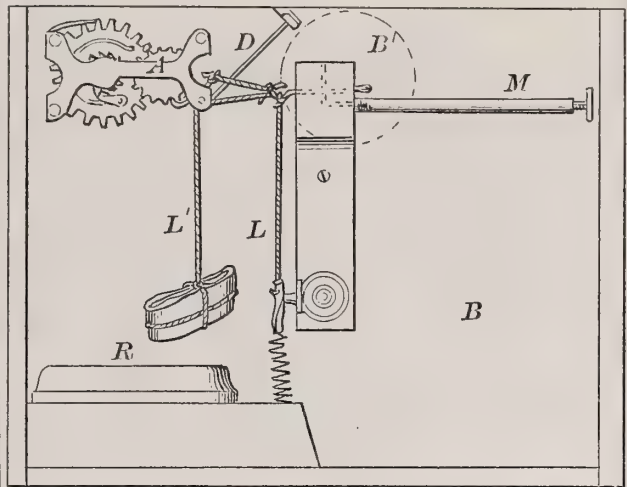
65673—Holland & Hibbs—*Elastic Frame for Mosquito Bar Netting.*



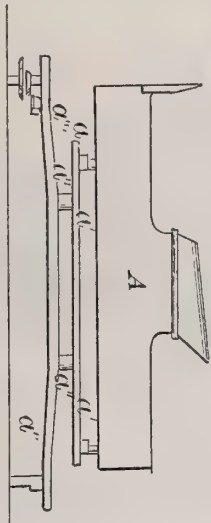
65676—A. Jameson—*Screw Box for Vises.*



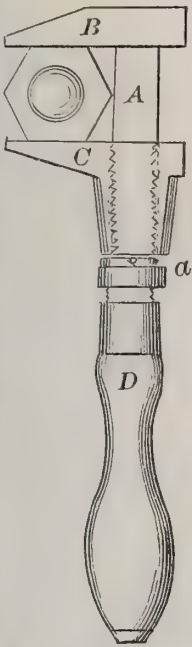
65682—R. Lapham—Automatic Fire Extinguisher.



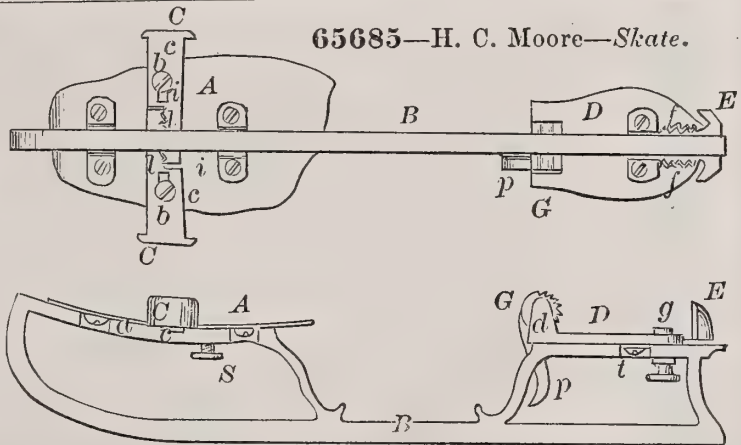
65681—Lansing & Ostrom—Wagon Spring.



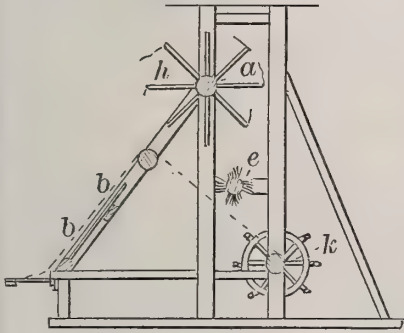
65679—D. A. Kellogg—Wrench.



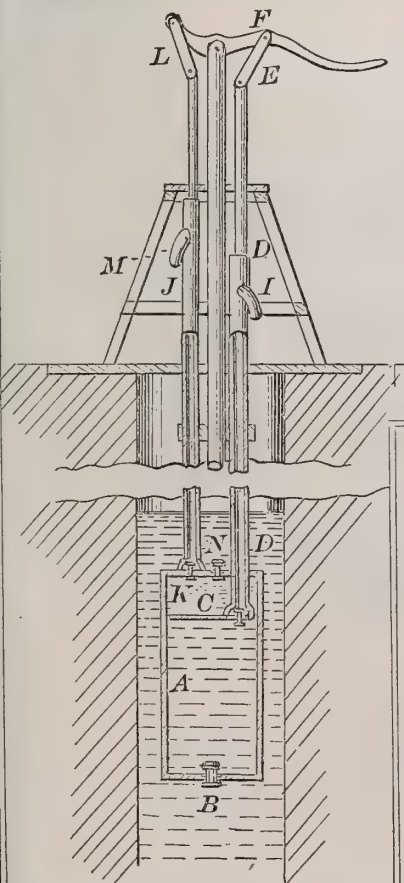
65685—H. C. Moore—Skate.



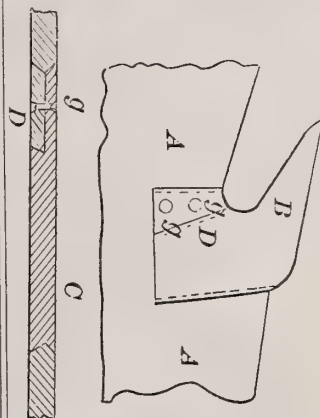
65683—T. Lüke—Carpet Cleaner.



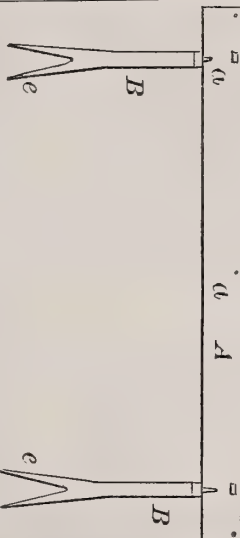
65684—A. Moon—Pump.



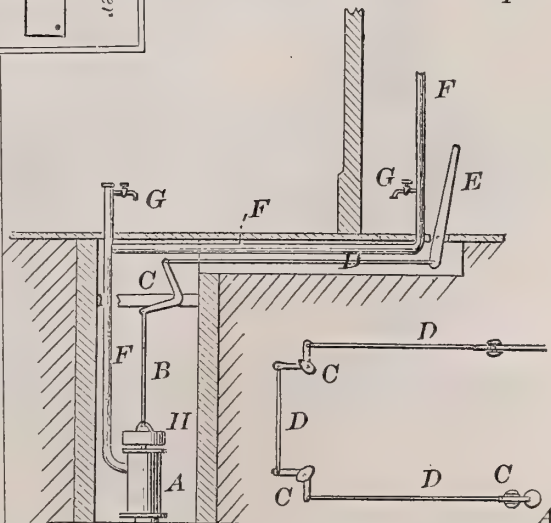
65687—J. Neale—Saw.



65686—J. S. Munger—Carpet Stretcher and Holder.



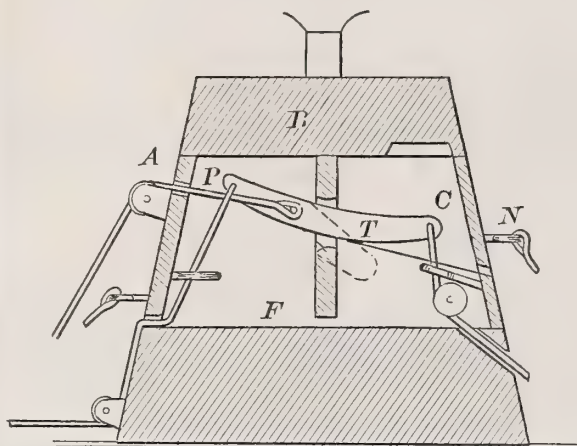
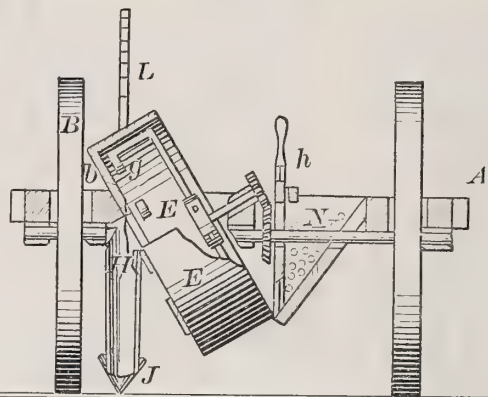
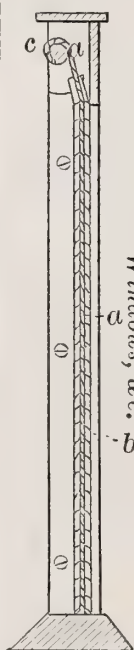
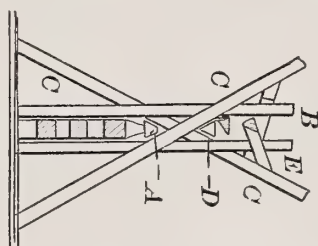
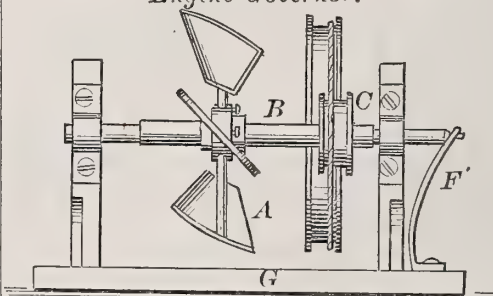
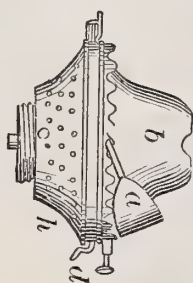
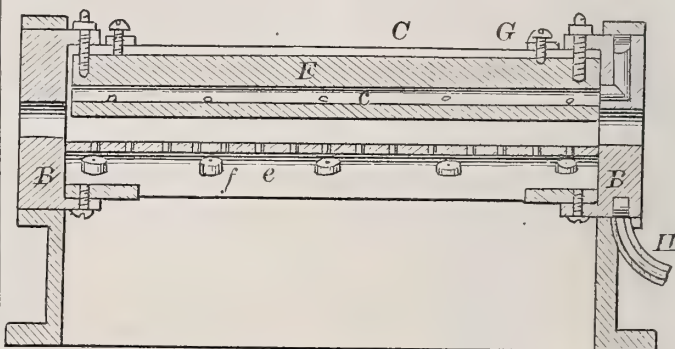
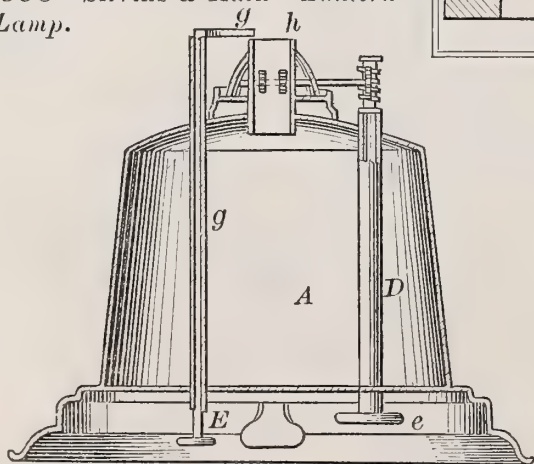
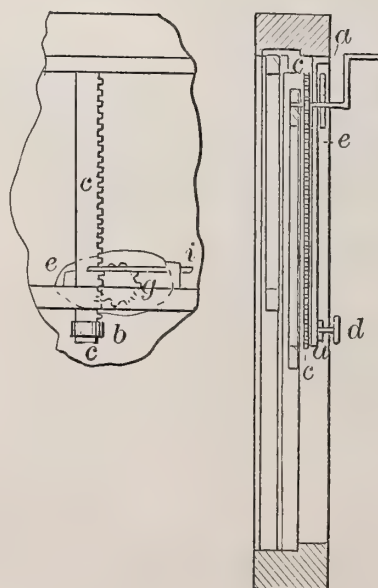
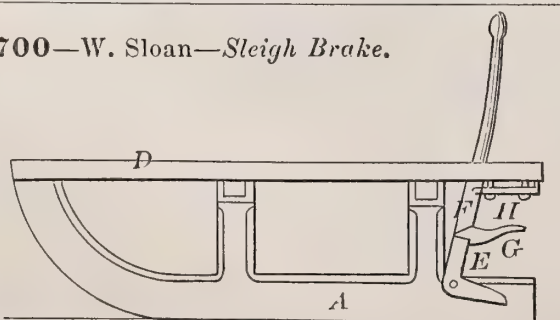
65690—H. Parks—Pump.



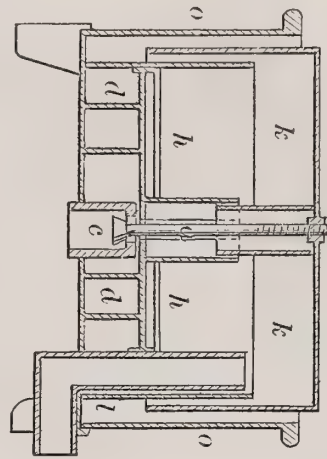
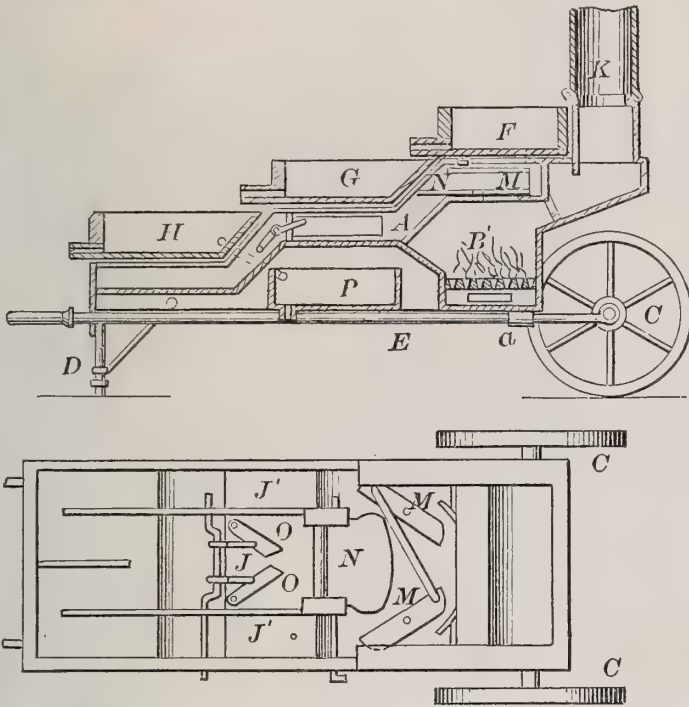
65689—W. H. Nichols—Sleigh Bell.





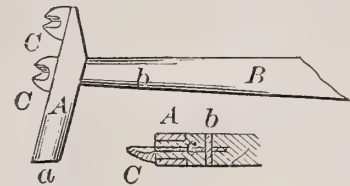
**65691**—J. T. Parlour—*Keel Block or Rest.***65695**—J. P. Seudder—*Potato Planter.***65692**—W. G. Perkins—*Rolling Screen for Doors, Windows, &c.***65694**—E. C. Roberts—*Fence.***65697**—Shirley & Fasig—*Steam Engine Governor.***65696**—E. Shaw—*Lamp Extinguisher.***65699**—P. L. Slayton—*For Tempering Wire.***65698**—Silvins & Hain—*Lantern Lamp.***65701**—S. Smith—*Window Sash Fastener.***65700**—W. Sloan—*Sleigh Brake.*

65702—W. C. Smith—*Sugar Evaporator.*

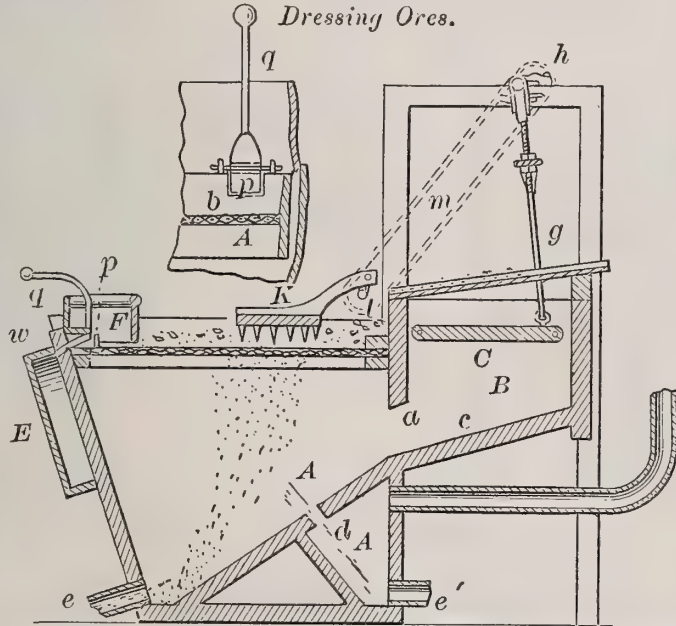


65705—L. Stevens—*For Treating Air and Hydro-Carbon Vapor for Illuminating Gas.*

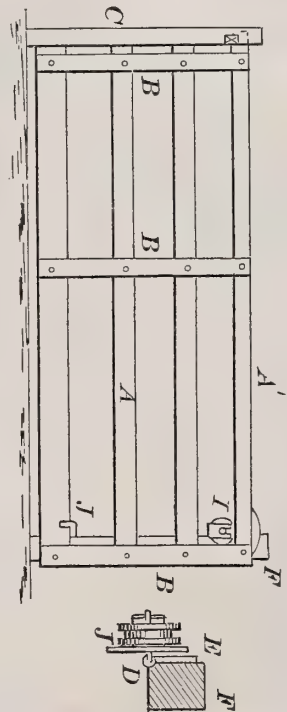
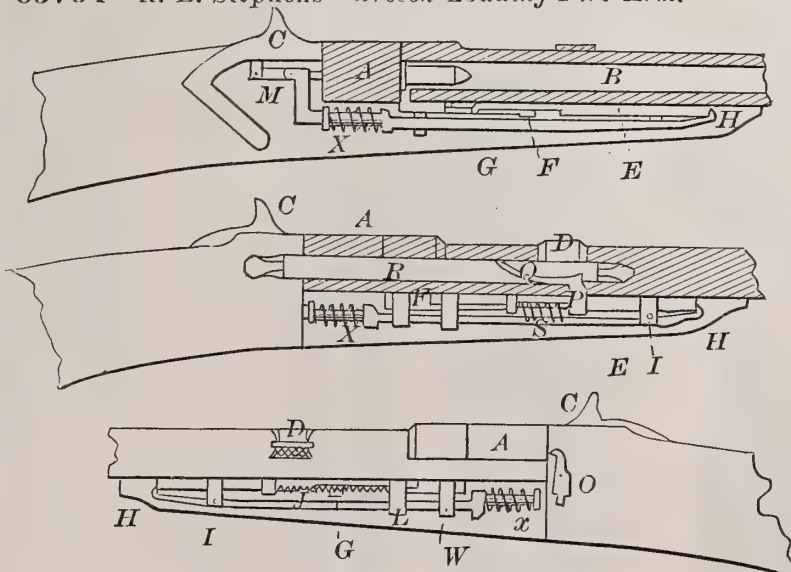
65706—T. B. Stout—*Tack Hammer.*



65703—W. W. Spalding—*Jigging Machine for Dressing Ores.*

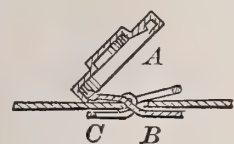


65704—R. E. Stephens—*Breech-Loading Fire Arm.*

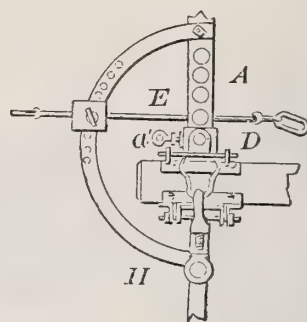
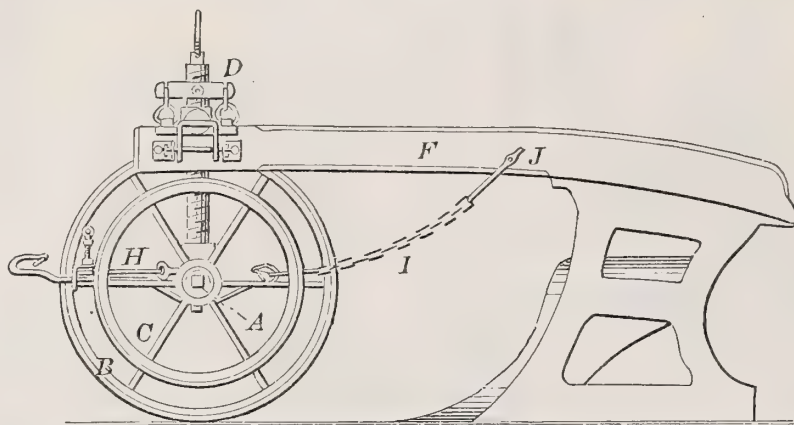
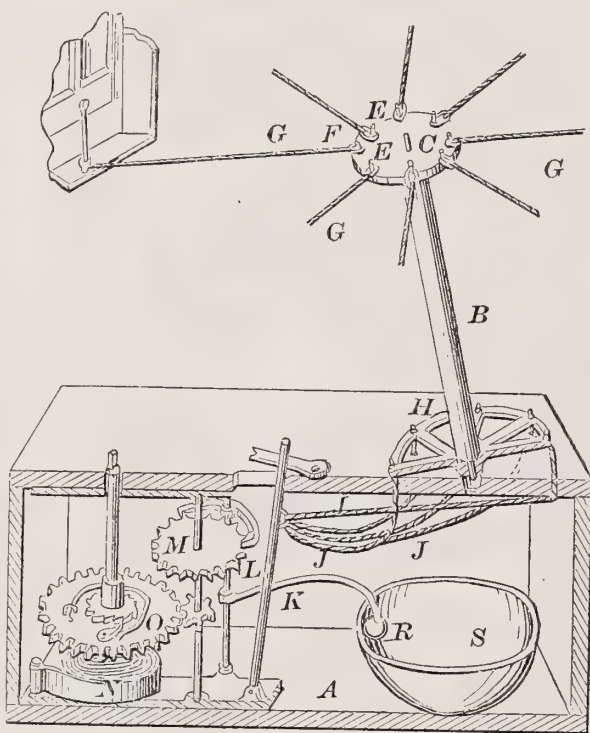
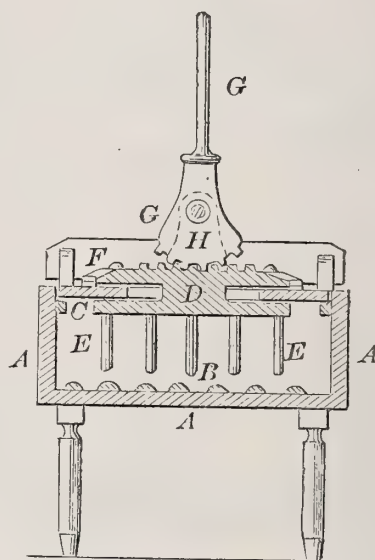
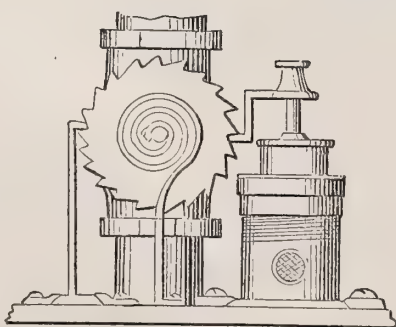
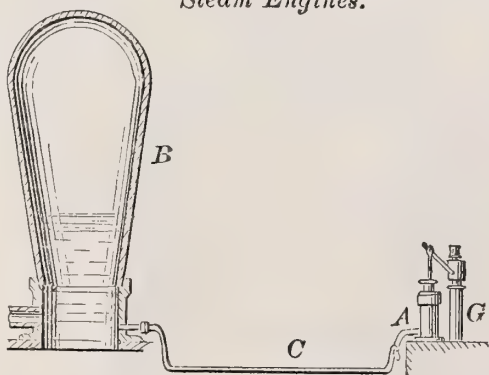
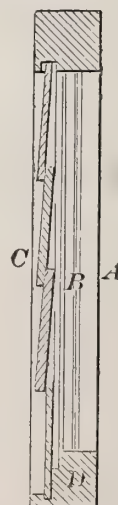
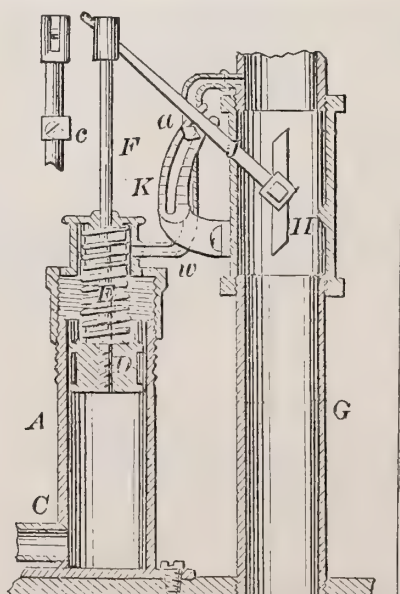
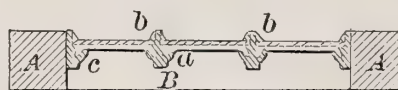


65707—J. G. Talbot—*Farm Gate.*

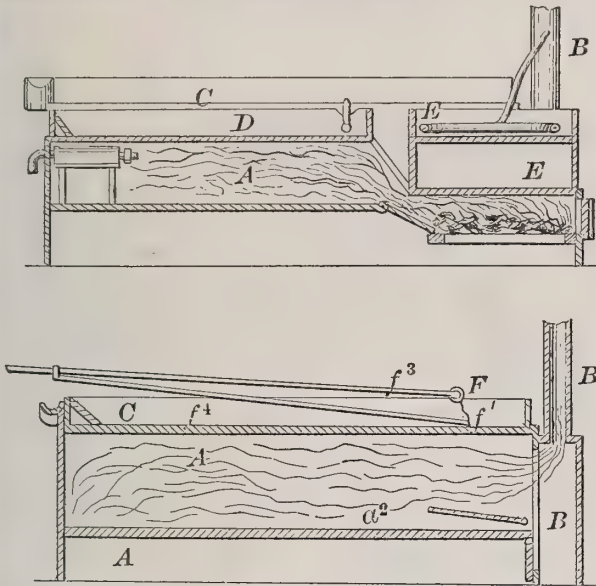
65708—J. K. Underhill—*Button Fastening.*



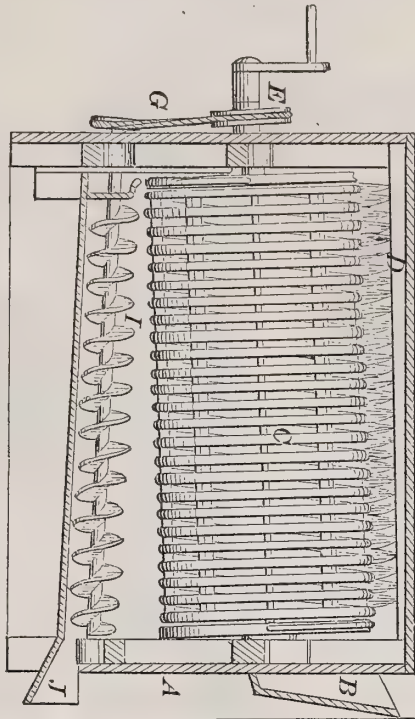


65709—F. Volkman—*Plow*.65710—I. M. Wells—*Burglar Alarm*.65713—E. F. Wheeler—*Washing Machine*.65711—C. S. Westland—*Stop Motion for Steam Engines*.65712—H. Weston—*Skylight*.

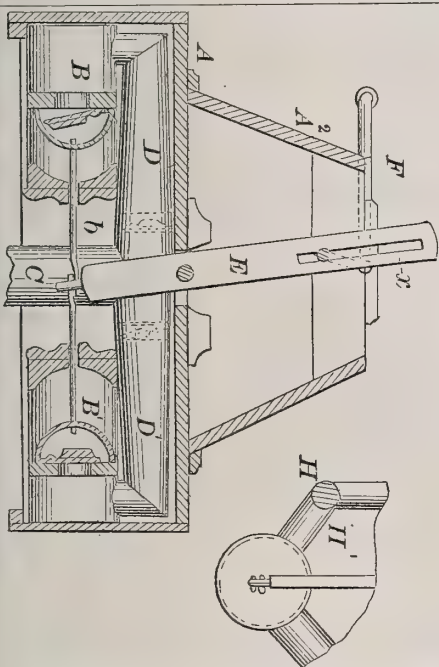
65714—S. M. Williams—*Evaporator.*



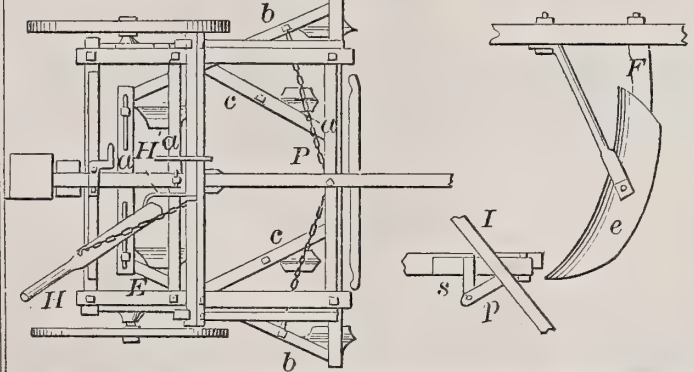
65716—A. J. Alexander—*Grain Separator.*



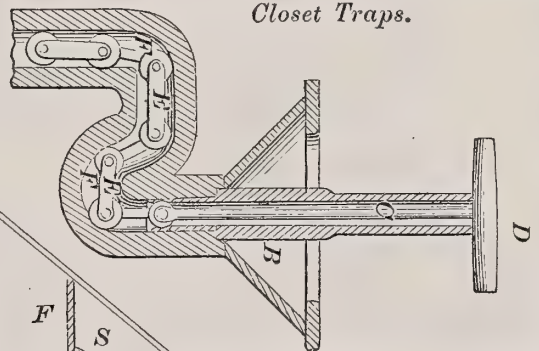
65718—C. Bemis—*Pump.*



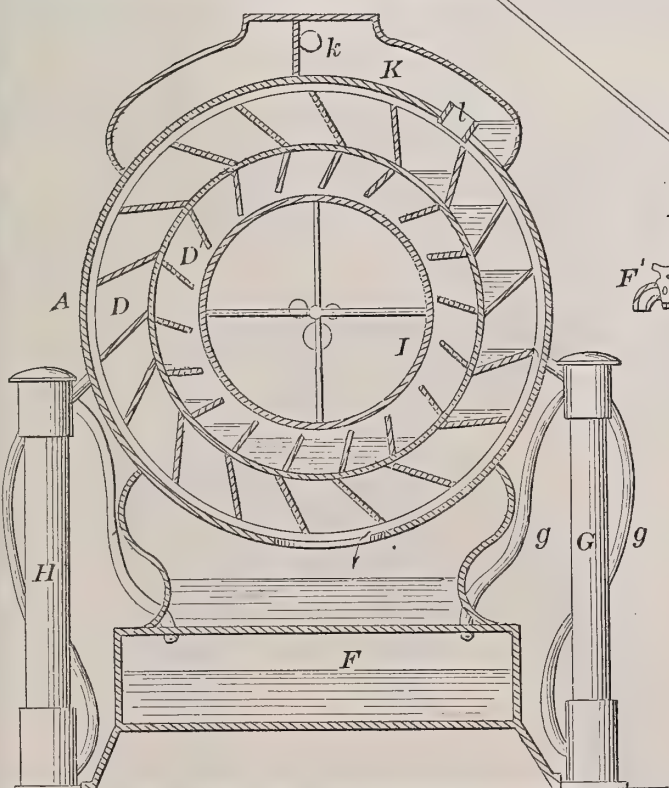
65719—J. C. Bird—*Cultivator.*



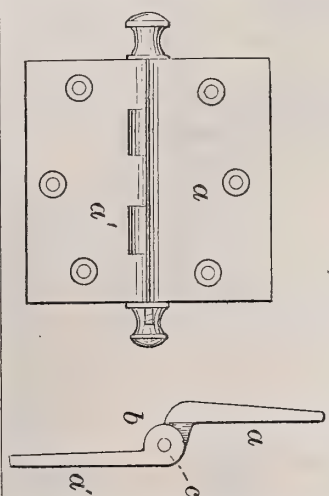
65715—J. Wright—*For Cleaning Water Closet Traps.*



65720—L. Brainer—*Hydraulic Weighing Apparatus*

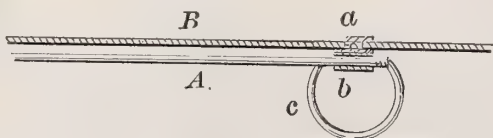


65717—M. C. Ames—*Butt Hinge.*





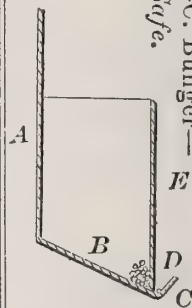
**65721**—F. W. Brooks—*Slide for Safety Reins.*



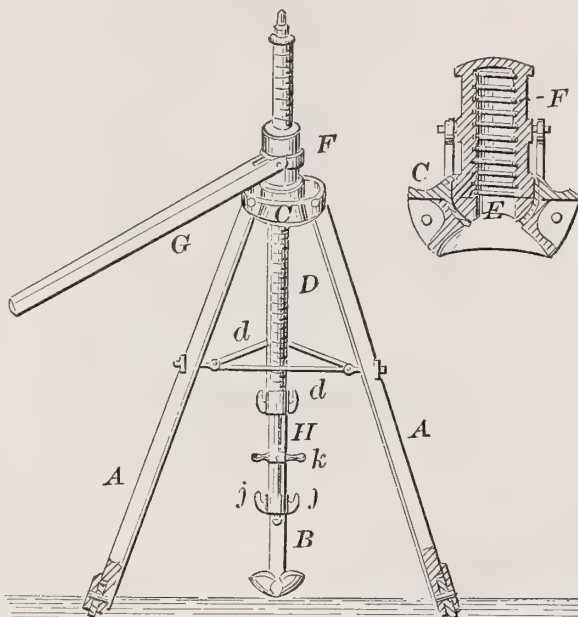
**65723**—R. B. Caswell—*Blank for Horse Shoe Calks.*



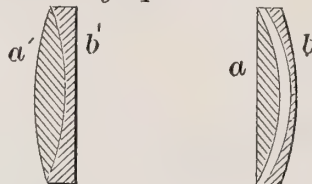
**65722**—C. Büniger—*Match Safe.*



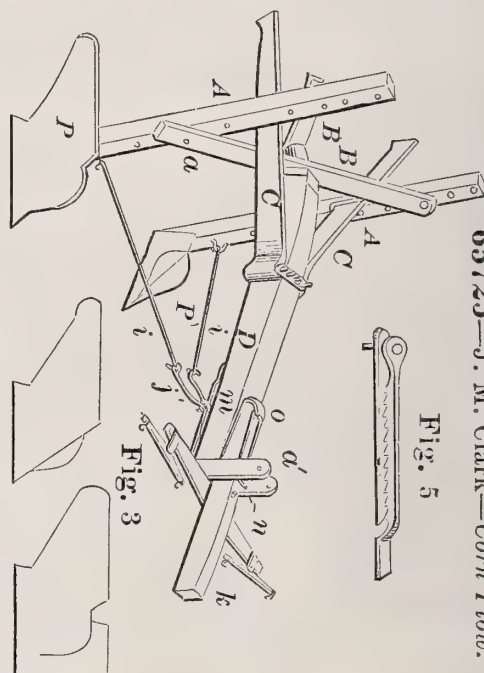
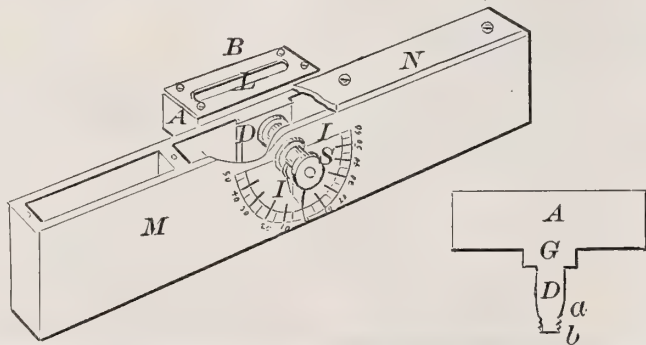
**65724**—G. Chamberlin—*Stump Extractor.*



**65729**—J. H. Dallmeyer—*Photographic Lens.*



**65726**—P. Clifford—*Level and Plumb.*

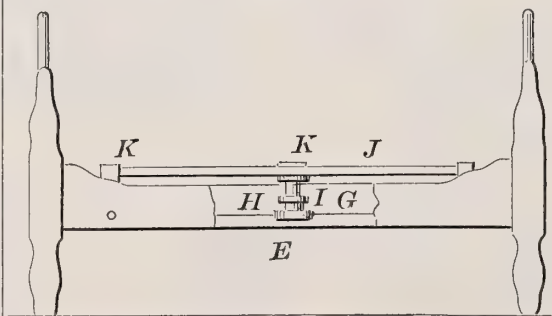


**65725**—J. M. Clark—*Corn Plow.*

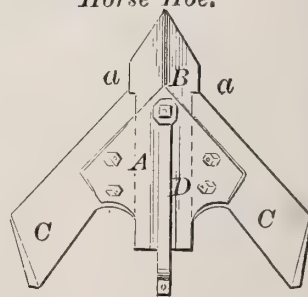
Fig. 5

Fig. 3

**65731**—G. H. Dow—*Bed Bottom.*



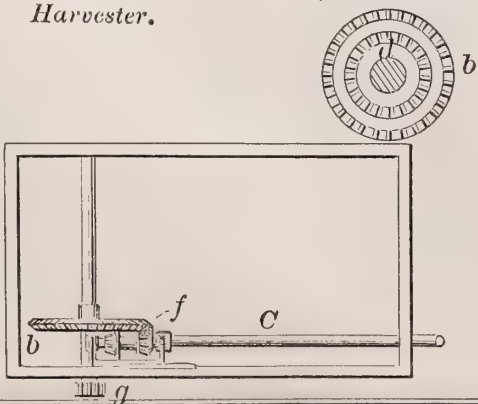
**65728**—G. W. Cooper—*Horse Hoe.*



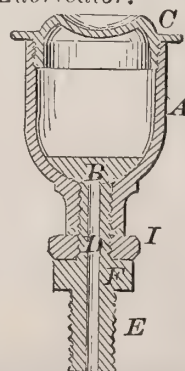
**65730**—G. W. Day—*Paper Weaving Apparatus.*



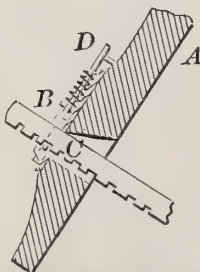
**65732**—M. Easterbrook, Jr.—*Harvester.*

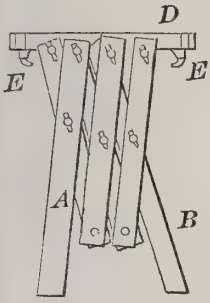


**65734**—J. Fanyou—*Lubricator.*

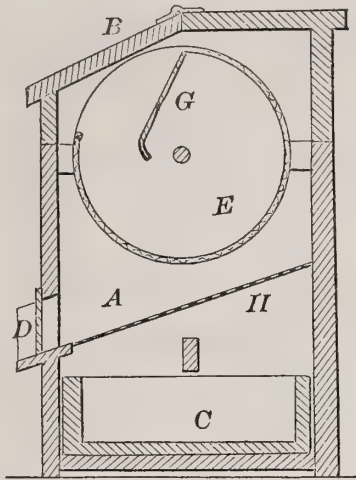


**65727**—W. S. Colburn—*Cant Hook.*

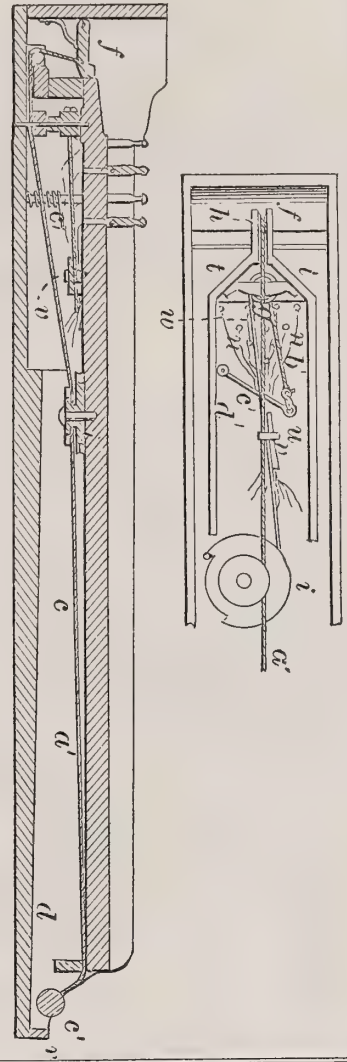


65735—G. Fanger—*Clothes Dryer and Stand.*

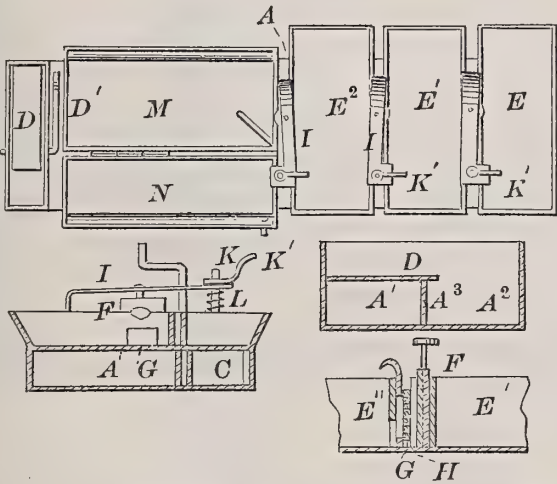
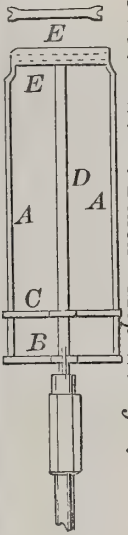
65736—J. S. Fifield—*Coal Sifter.*



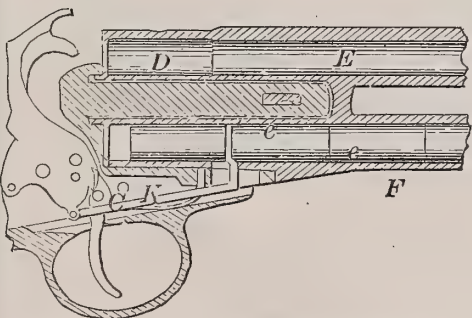
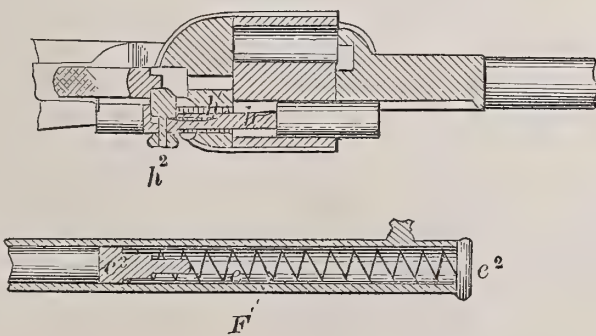
65739—C. H. Fowler—*Parlor Ten Pin Alley.*



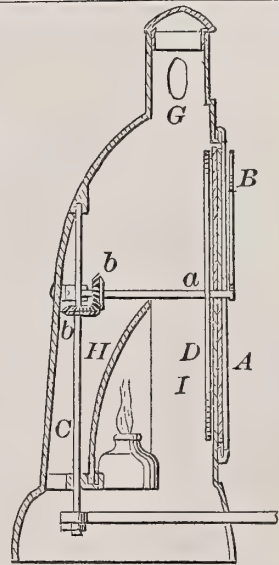
65738—A. L. Folger—*Sorghum Evaporator.*

65737—W. W. Finch—*Mop Winger*.

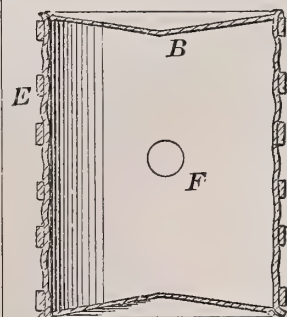
65742—E. J. Frost—*Revolving Fire Arm.*



65740—N. C. Franzen—Steering Indicator.

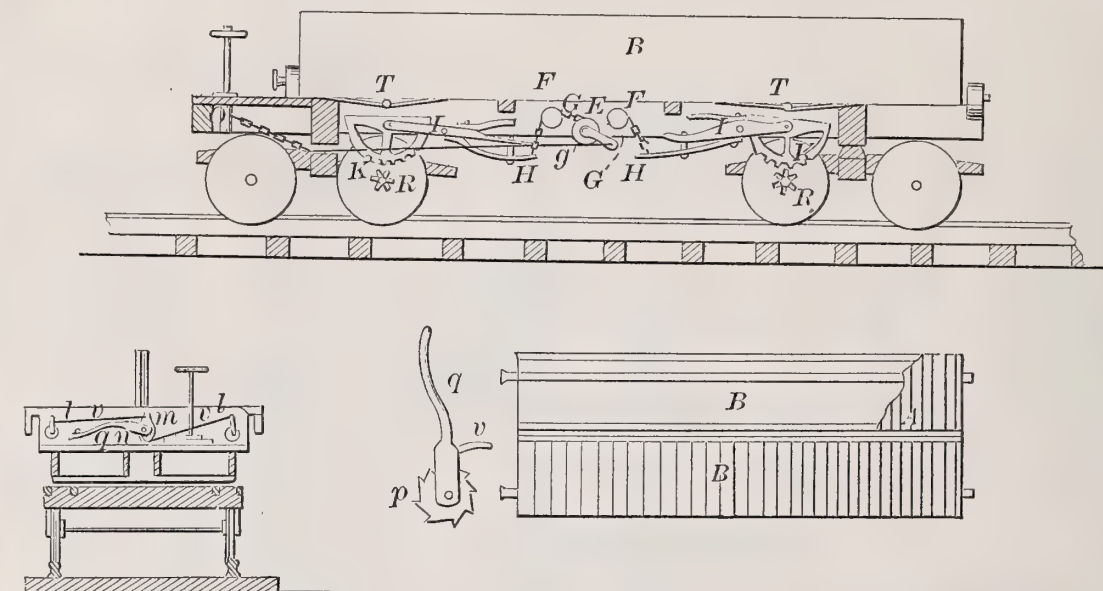


65741—J. A. Frey—*Metal Barrel.*

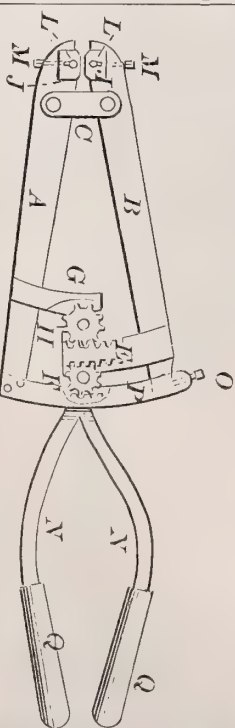
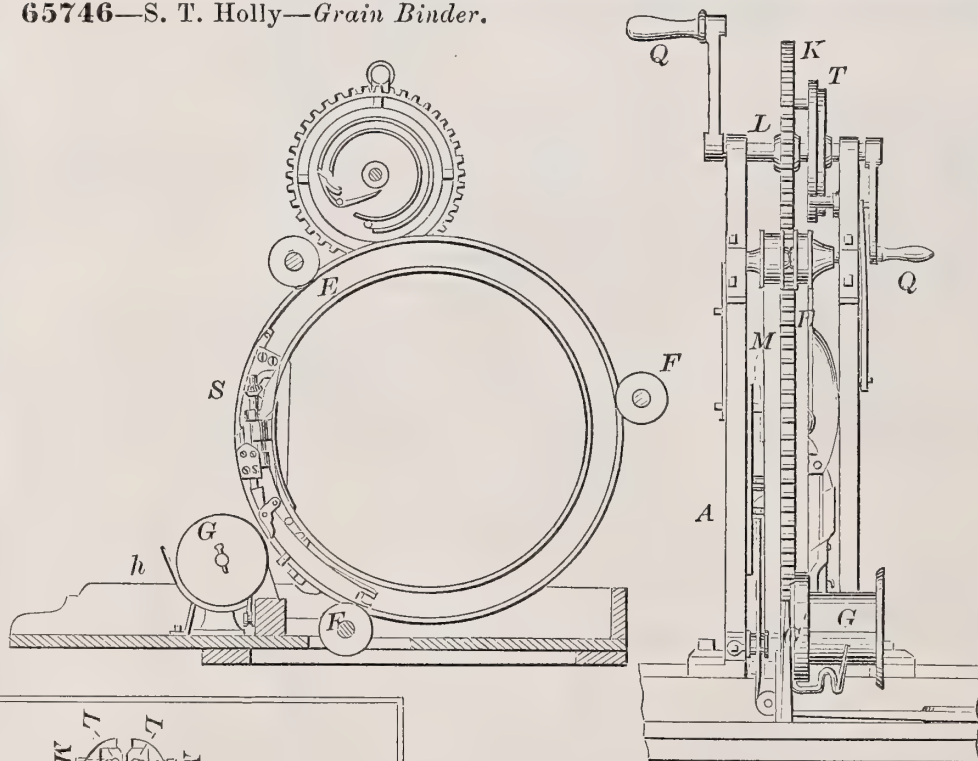




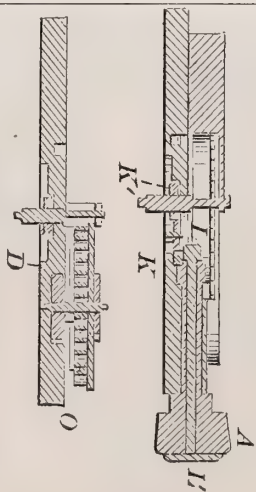
65743—Haase &amp; Rost—Unloading Railroad Cars.



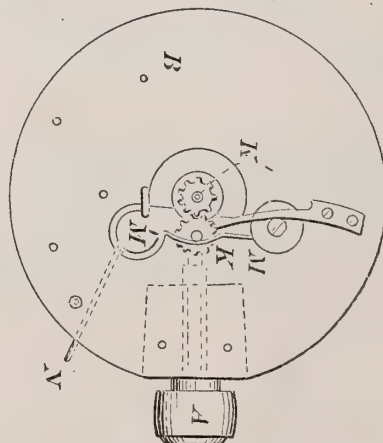
65746—S. T. Holly—Grain Binder.



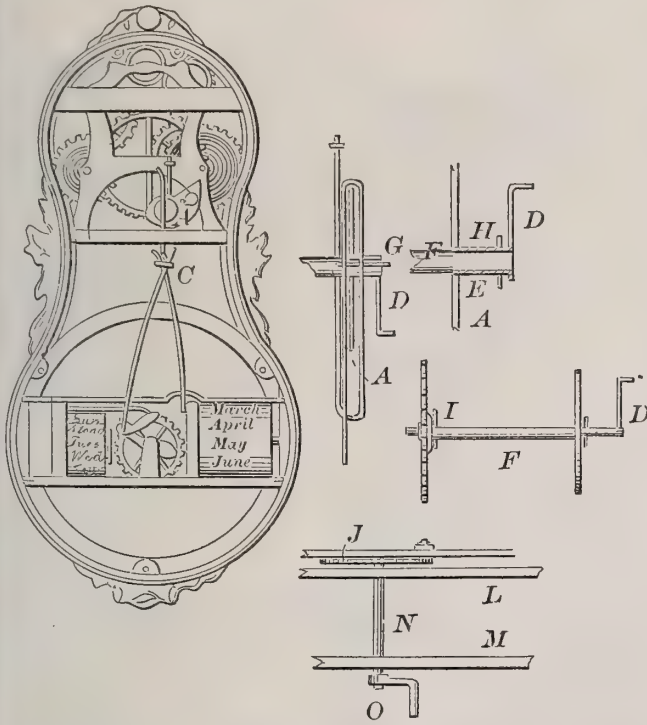
65745—J. E. Heath—For Shearing Metals.



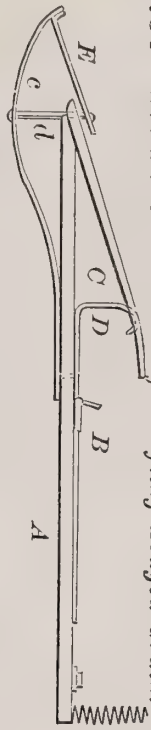
65747—E. B. Horn—Stem Winding Watch.



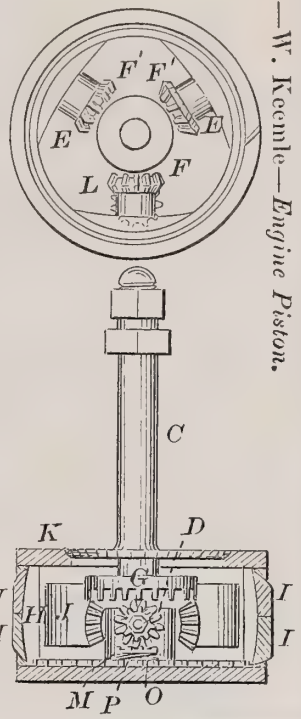
65748—Horton & Wood—Calendar Clock.



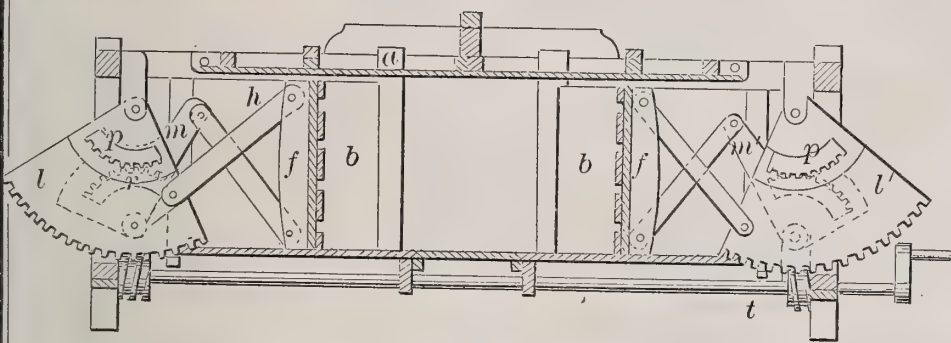
65750—W. M. Jackson—Teeth for Lifting Lodged Grain.



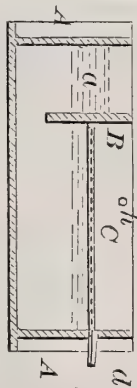
65753—W. Keenle—Engine Piston.



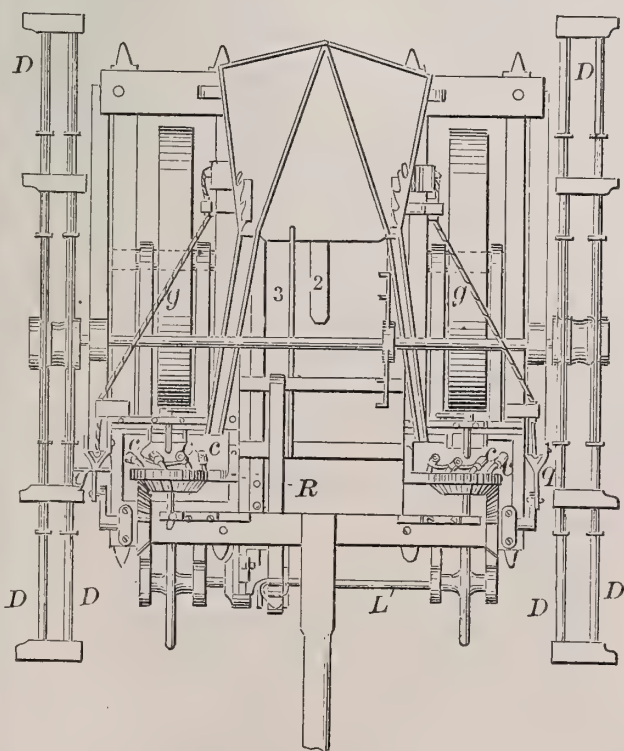
65752—G. D. Jones—Press.



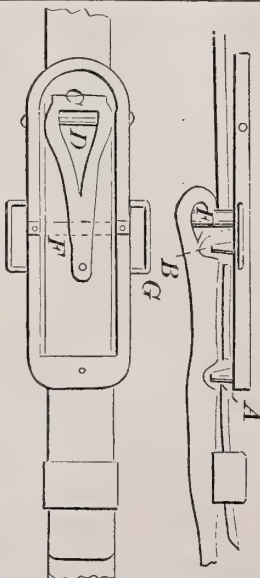
65751—W. E. Jacobs—Syrup Strainer.



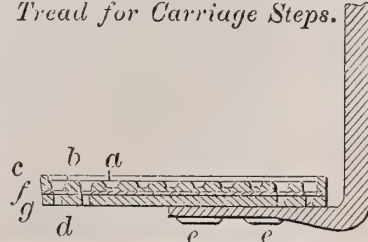
65755—G. W. Knapp—Corn Planter.



65749—G. C. Huntress—Buckle.

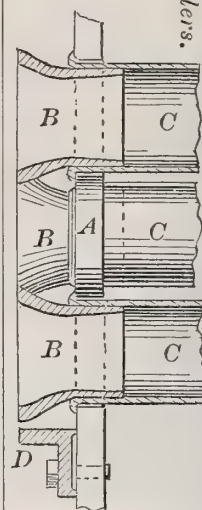
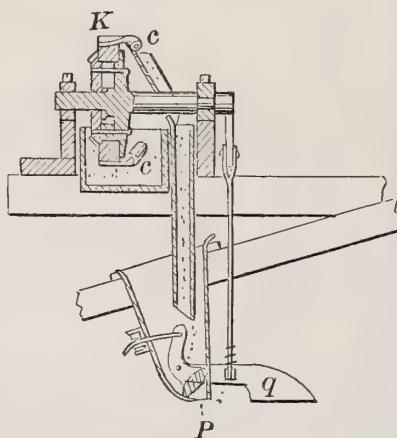
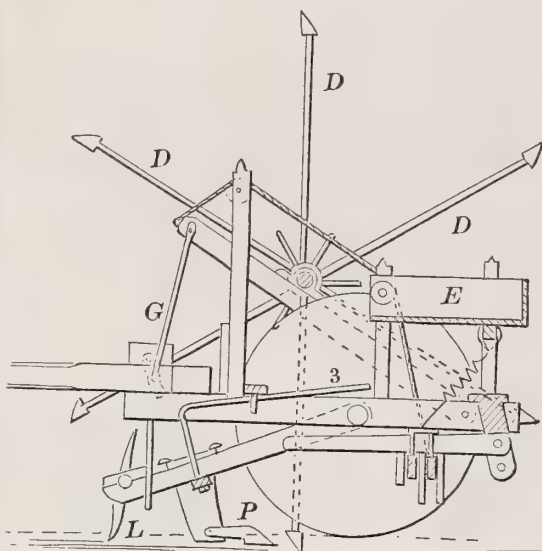


65754—G. A. Keene—India Rubber Tread for Carriage Steps.



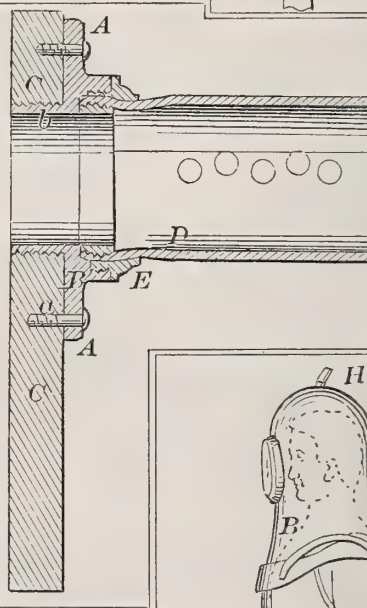
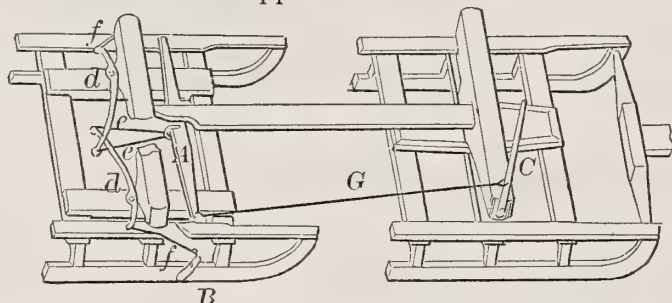


65755—Continued.



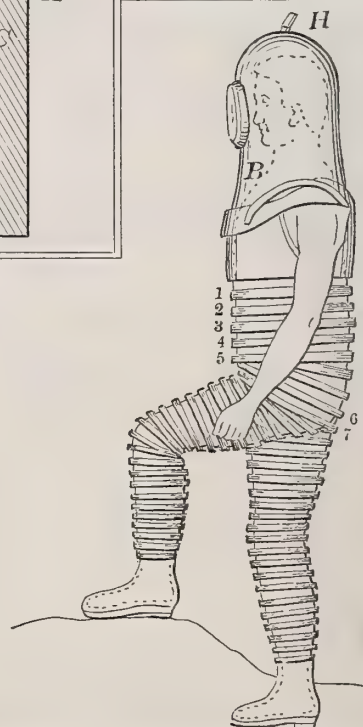
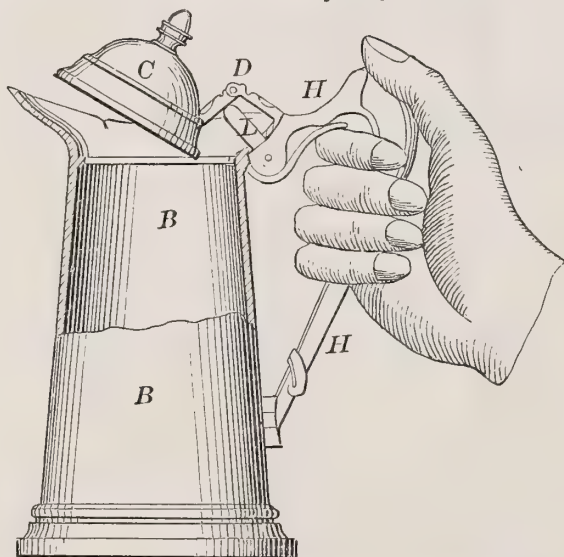
65759—D. Matthew—Furnace for Tubular Boilers.

65756—H. E. Knapp—Sled Brake.



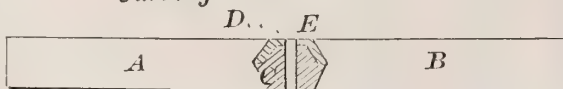
65758—S. H. Loring—Hose Coupling.

65757—F. W. L. Knuschke—Lifter for Pitcher Lids.

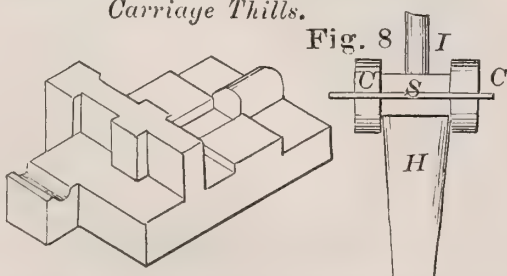


65760—T. C. McKeen—Diving Apparatus.

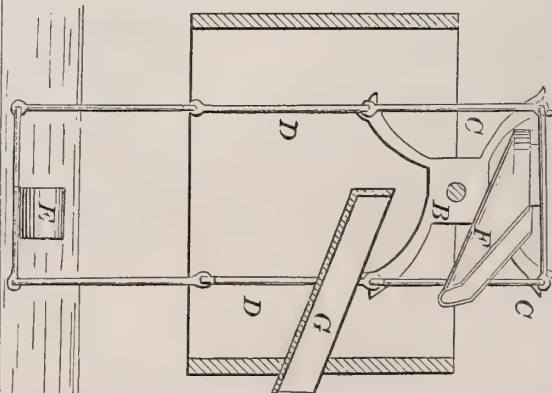
65761—F. B. Morse—Joint for Carriage Braces.



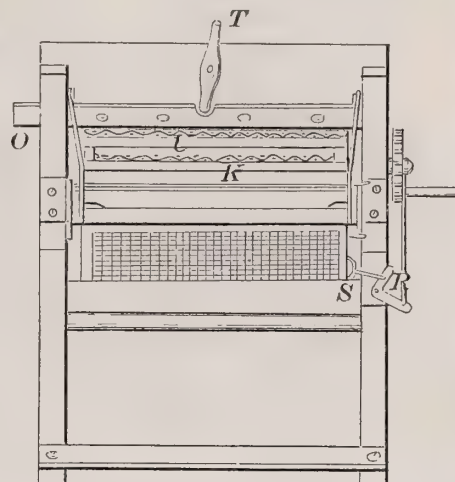
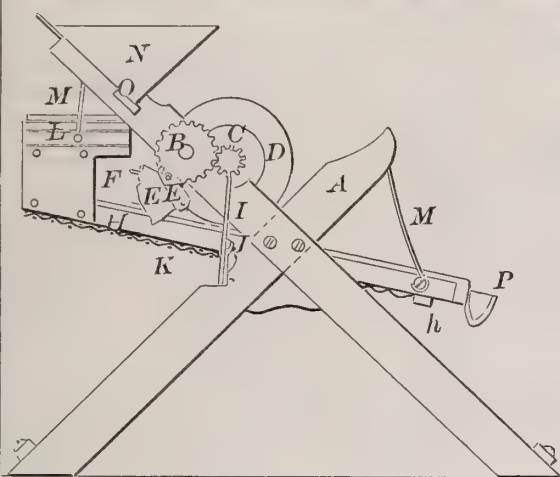
65762—F. B. Morse—Shackle for Carriage Thills.



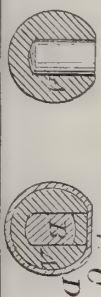
65763—G. Mott—Water Elevator.



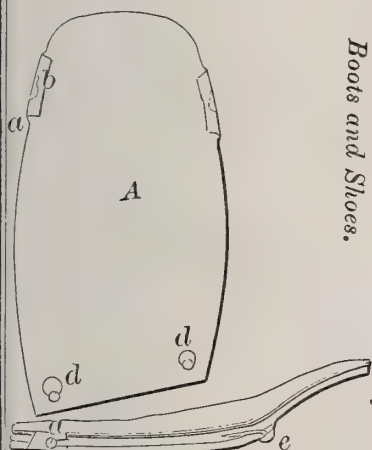
65765—H. Ogborn—Winnowing Screen.



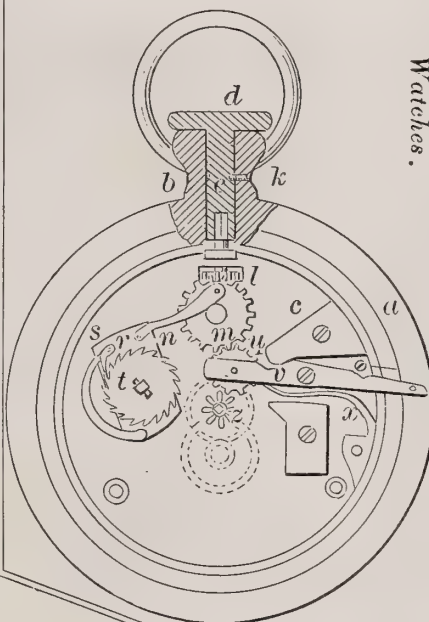
65764—C. Nelson—Toy Torpedo.



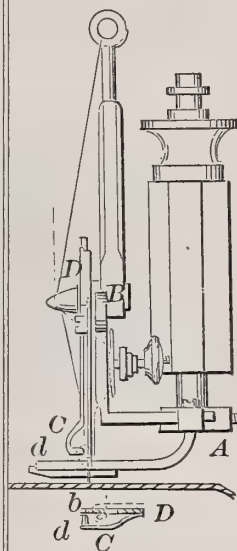
65766—H. Riggs—Metal Sole for Boots and Shoes.



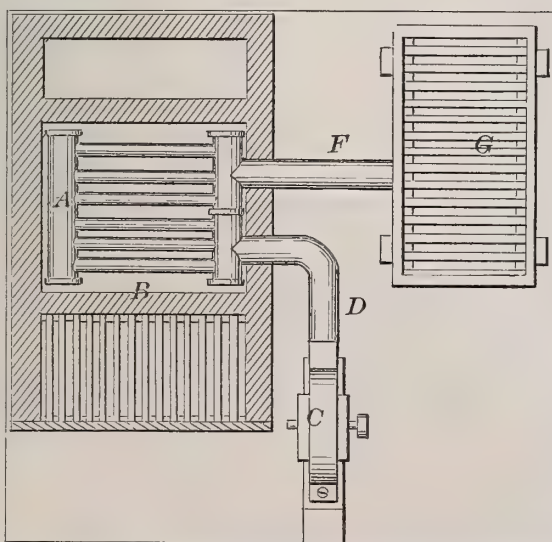
65769—H. Rothfelder—Winding and Setting Watches.



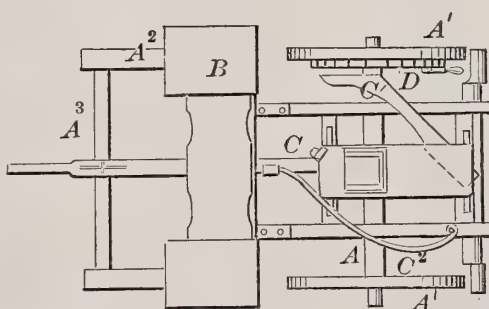
65768—I. M. Rose—Sewing Machine.



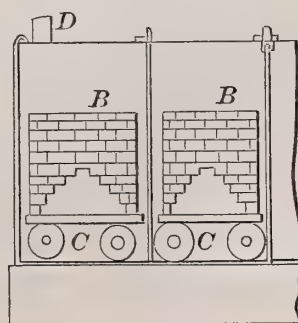
65767—A. W. Roberts—For Drying Hides, Leather, &c.



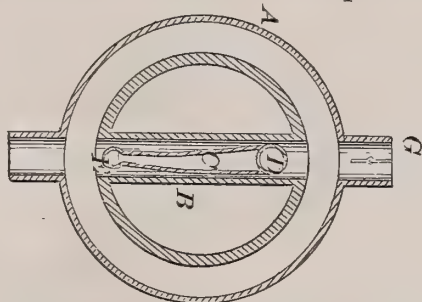
65771—J. P. Selsor—Corn Planter.



65772—W. A. Shepard—Brick Kiln.

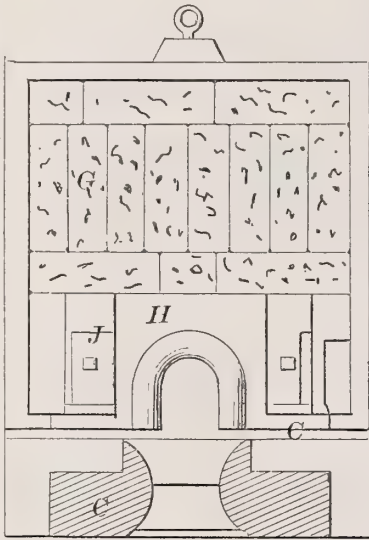


65770—C. E. Russell—Stove Pipe Drum.

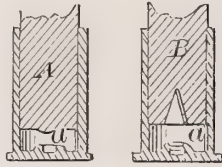




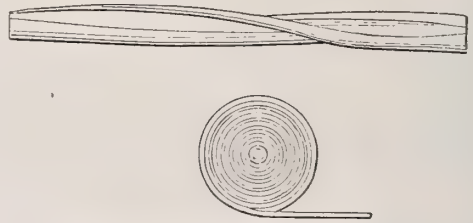
**65773**—W. Sims—*Door and Bit for Furnaces.*



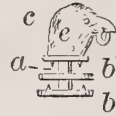
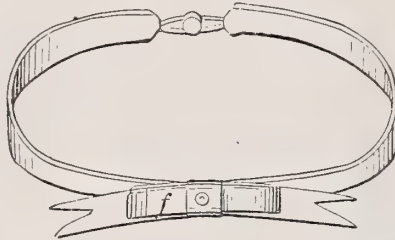
**65774**—D. Smith—*Priming Metallic Cartridges.*



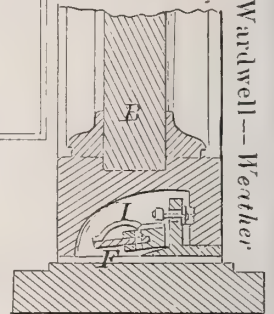
**65775**—C. Stearns—*Lightning Rod.*



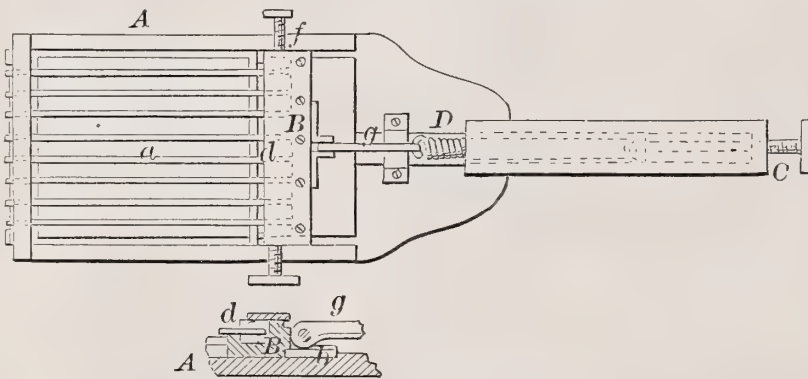
**65776**—W. J. Terry—*Necktie Fastening.*



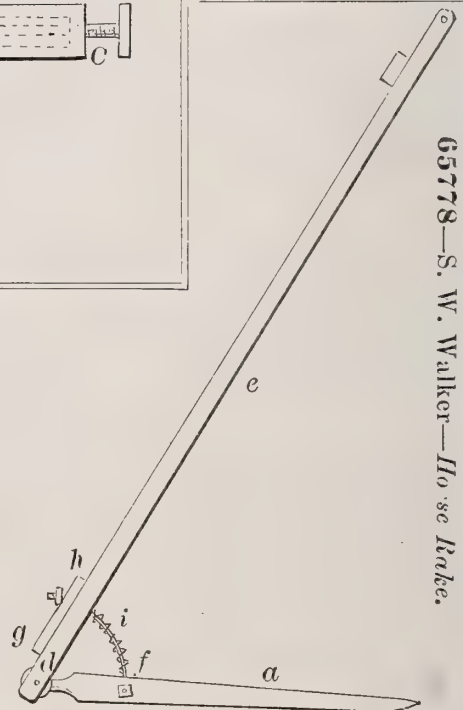
**65781**—J. B. Wardwell—*Weather Strip.*



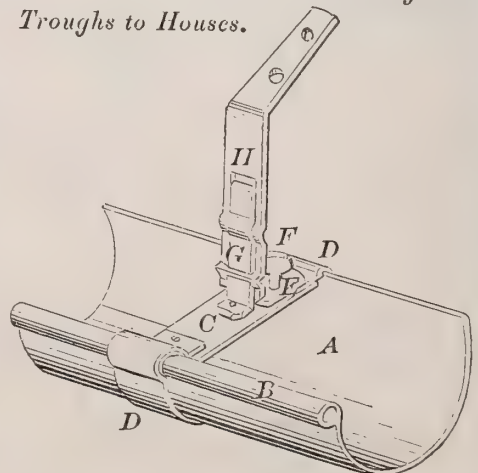
**65780**—J. C. Walter—*For Hardening Wire.*



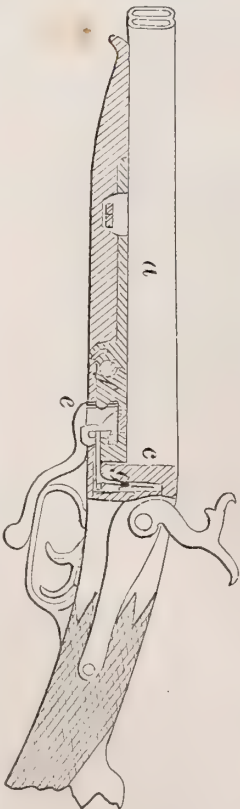
**65778**—S. W. Walker—*Ho-se Knife.*



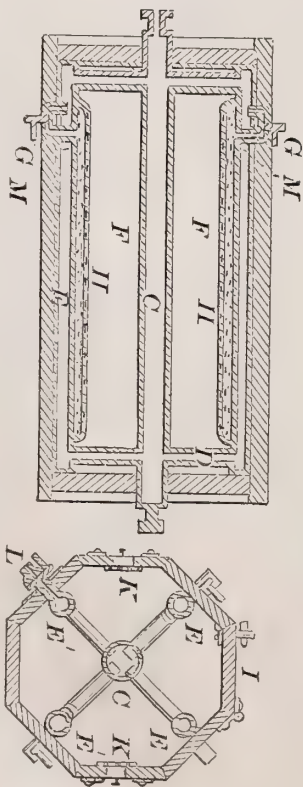
**65779**—W. R. Wallis—*Attaching Eave Troughs to Houses.*



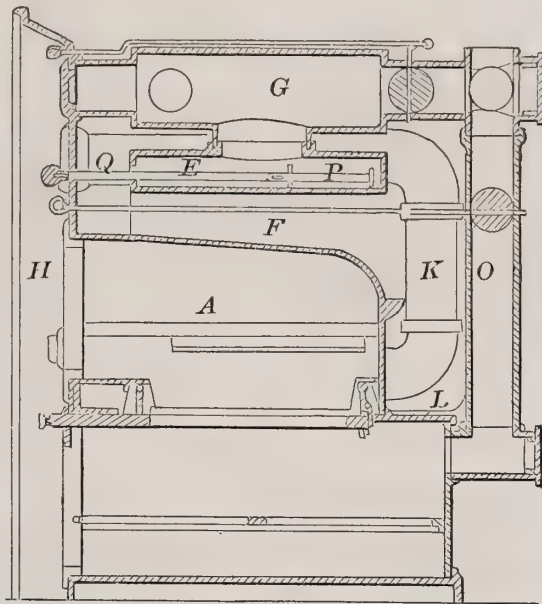
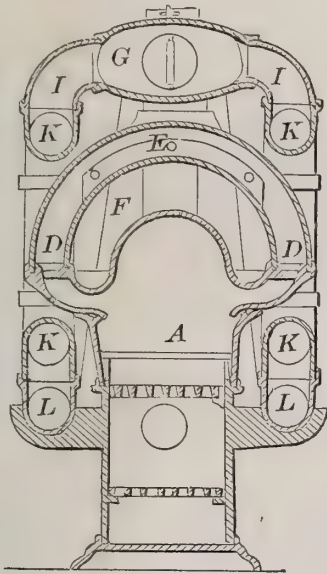
**65783**—T. W. Webley—*Breech-Loading Fire Arm.*



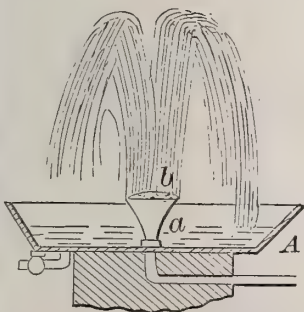
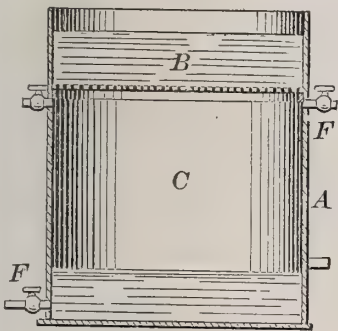
**65782**—Washburn & Van Sickle—*For Dressing Feathers.*



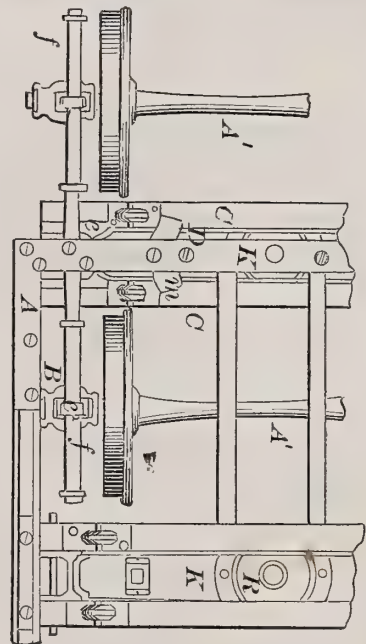
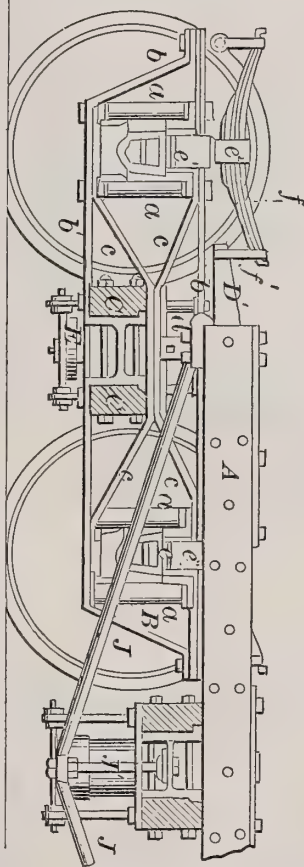
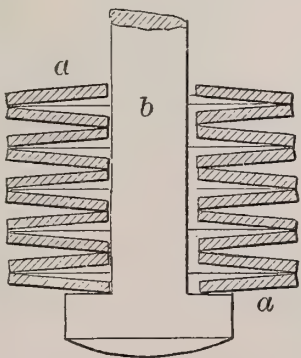
65784—G. W. Wilson—Air Heating Furnace.



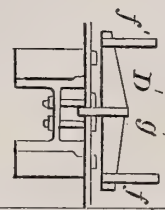
65785—W. Adamson—Glue.



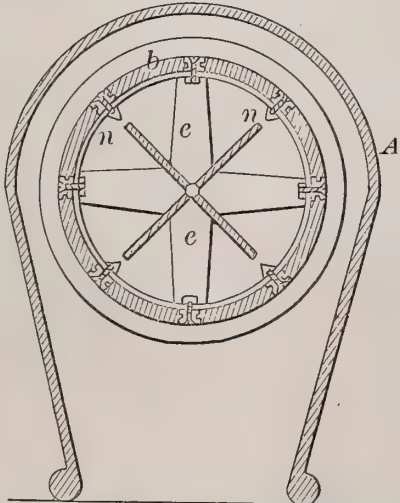
65790—J. F. Belleville—Car Spring.



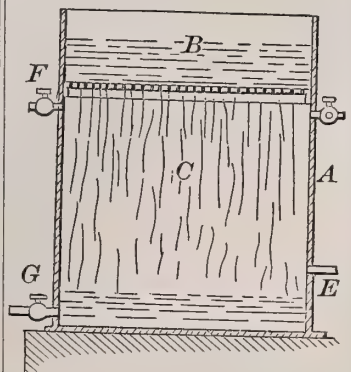
65788—C. F. Allen—Car Truck.



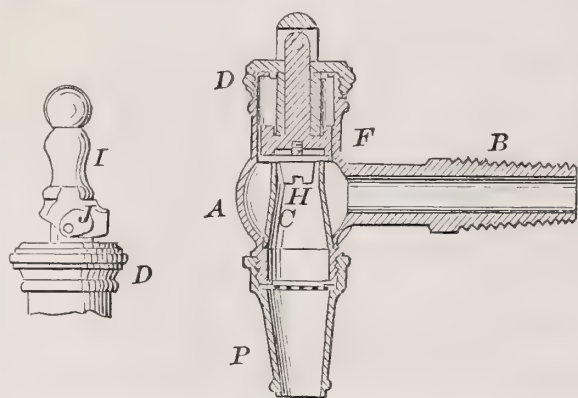
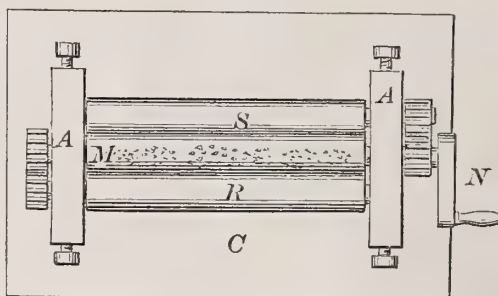
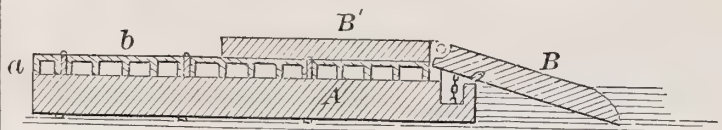
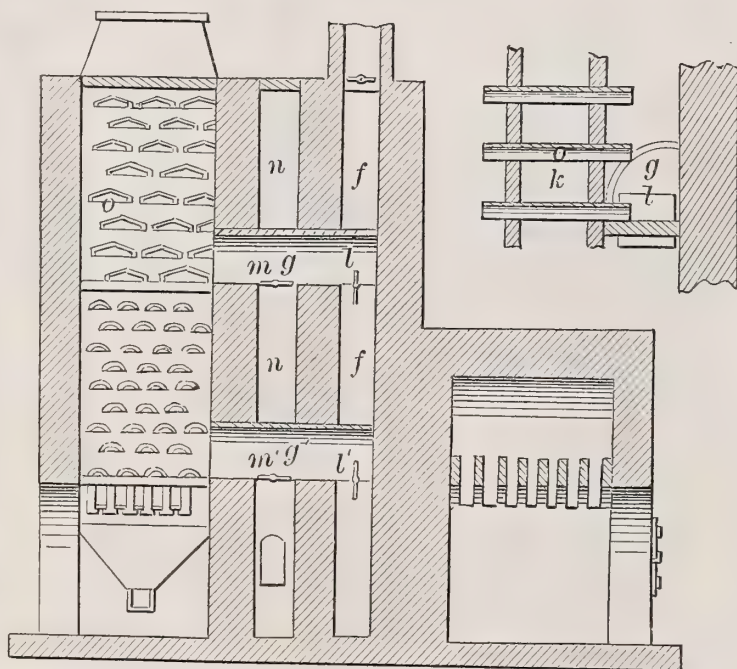
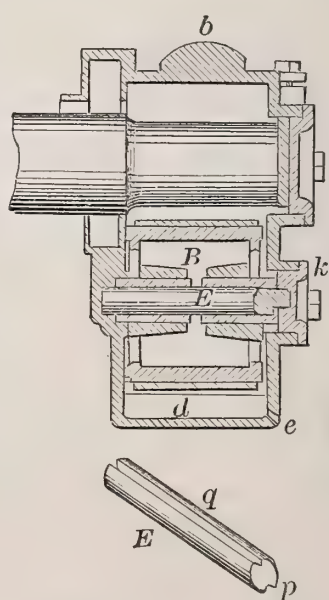
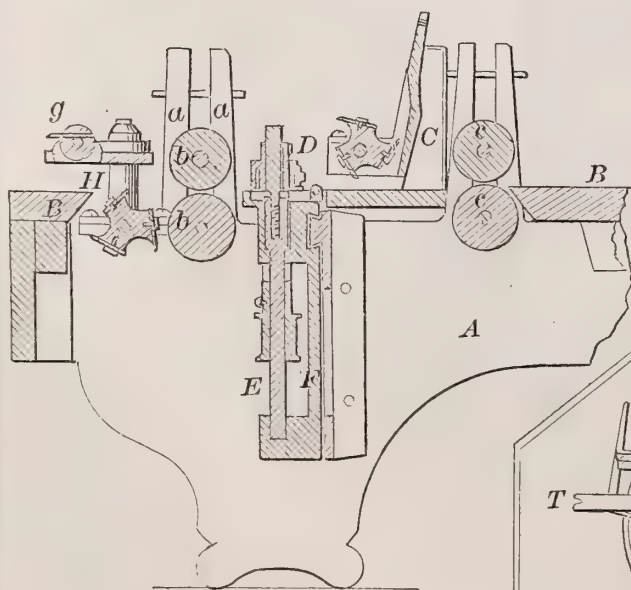
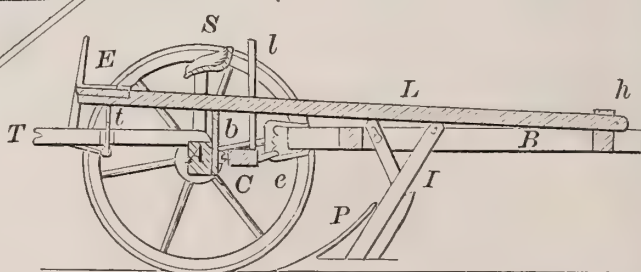
65789—E. Bateman—Flour Bolt.



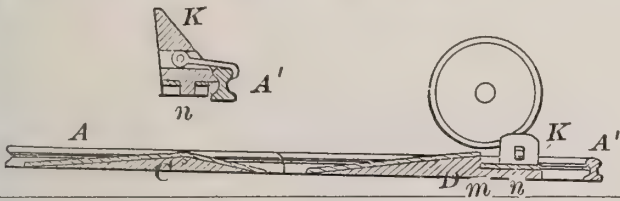
65786—W. Adamson—Manufacturing Aerated Glue.



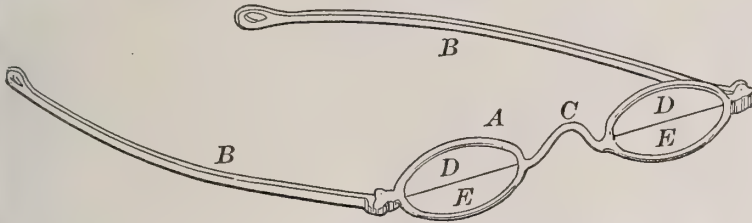


**65791**—M. Burnett—*Faucet.***65794**—J. W. Cobb—*Mould for Rubber Goods.***65792**—A. Carson—*Float or Raft.***65795**—J. M. & J. Connel, Jr.—*Slate Frame.***65793**—L. S. Chichester—*Grain Dryer.***65797**—D. H. Dotterer —*Arle Box.***65796**—Doane & London—*Wood Planing Machine.***65798**—C. L. Eastham—*Gang Plow.*

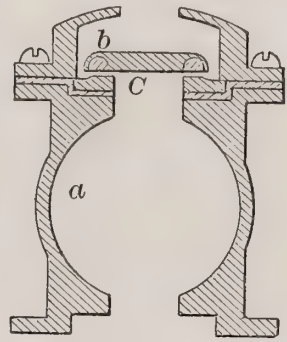
65799—N. H. Edgerton—*Car Replacer.*



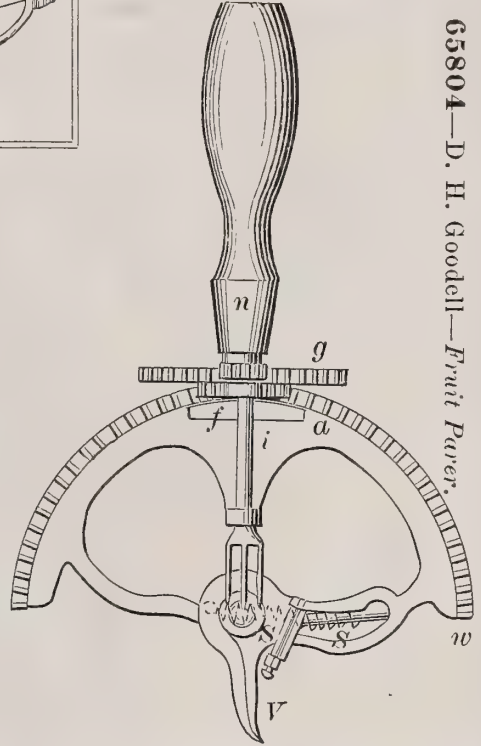
65800—G. D. Edmonson—*Spectacles.*



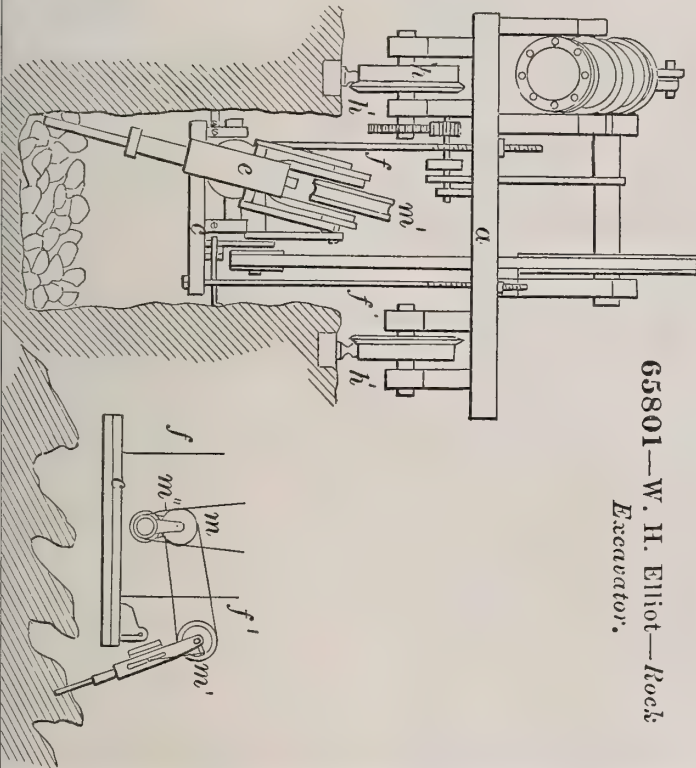
65803—B. Fitts—*Packing Pump Joints.*



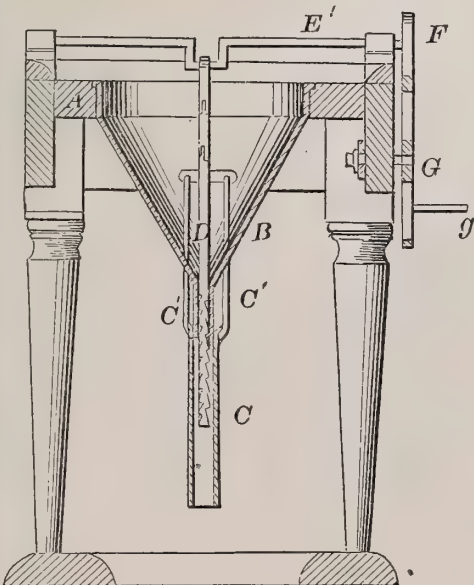
65804—D. H. Goodell—*Fruit Paver.*



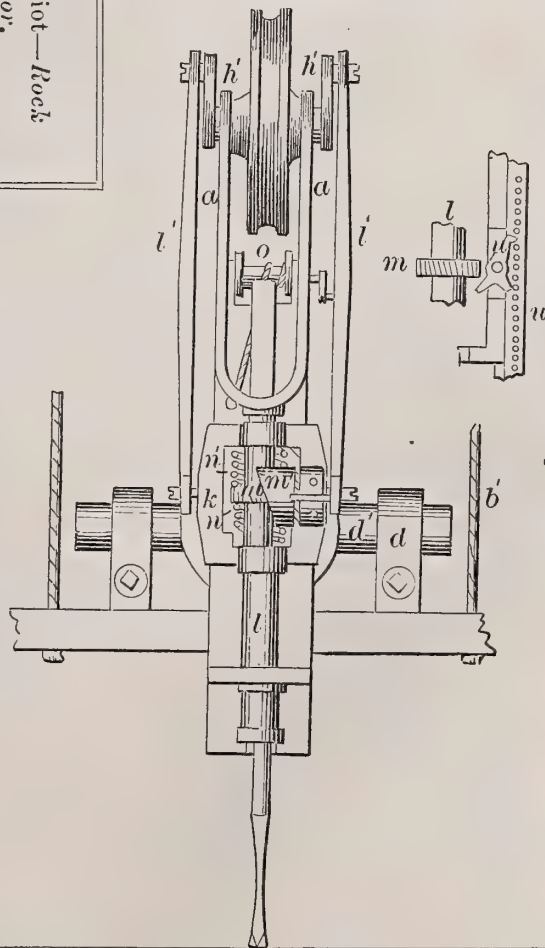
65801—W. H. Elliot—*Rock Excavator.*



65805—Hafer & Henderson—*Segar Making Machine.*

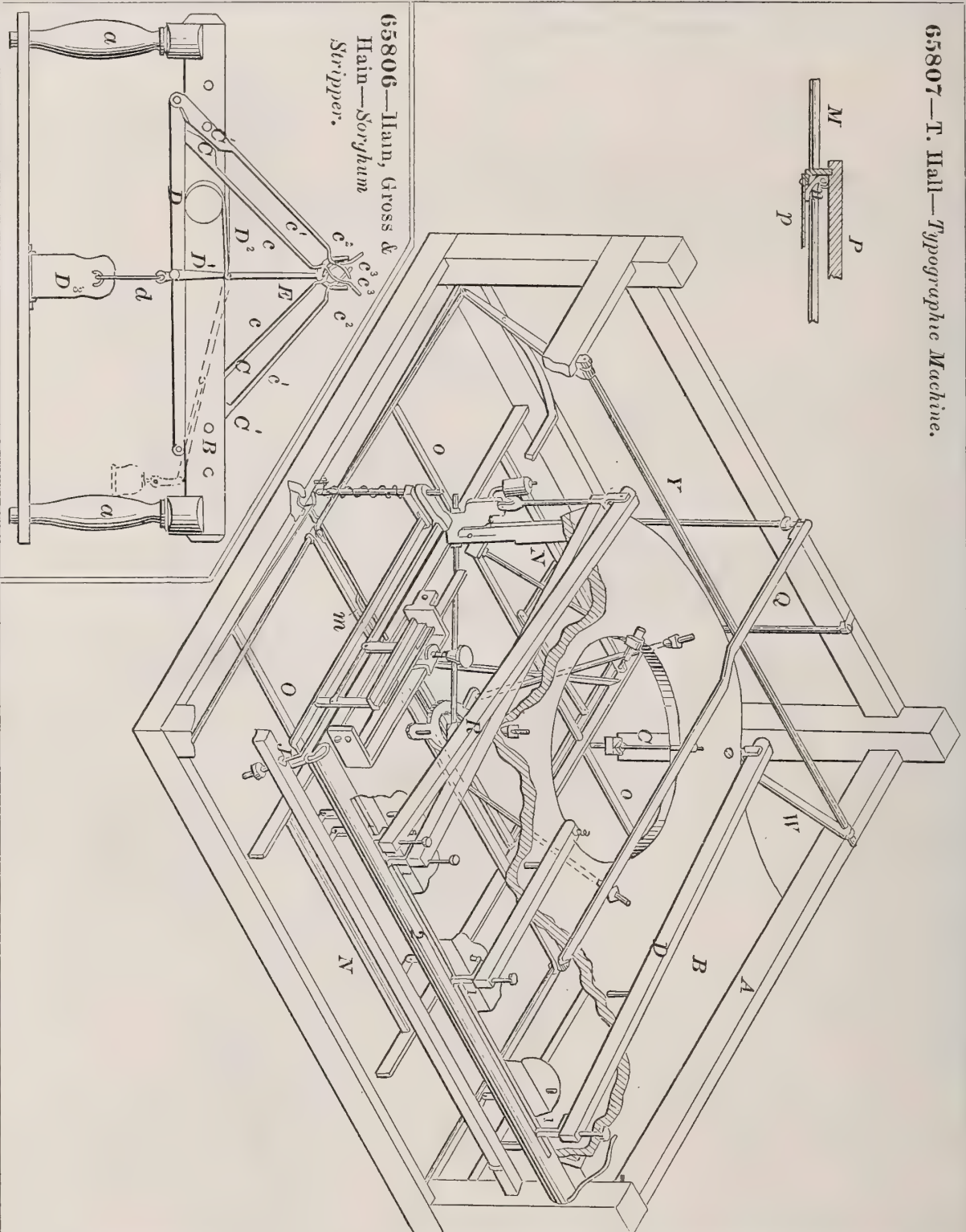


65802—W. H. Elliot—*Drilling Machine.*

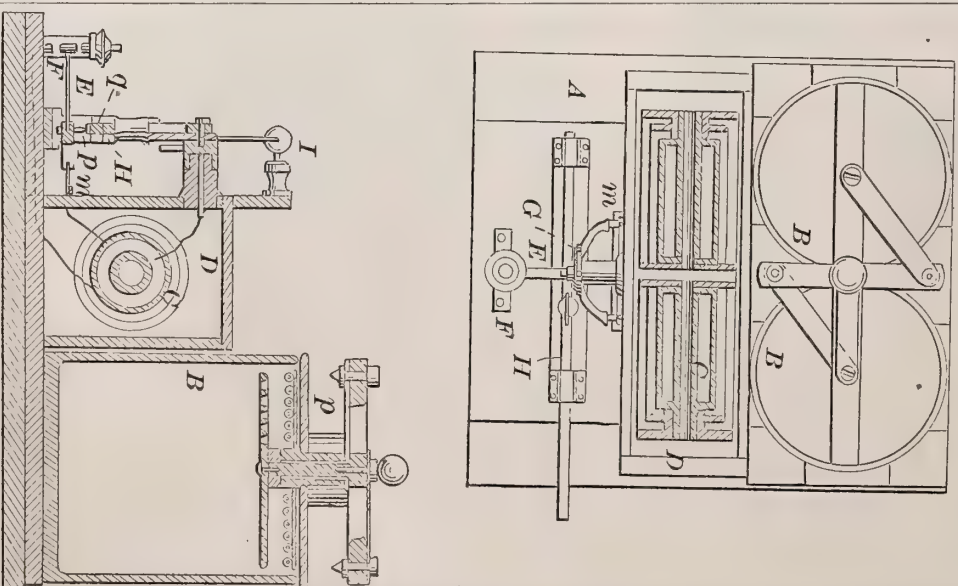




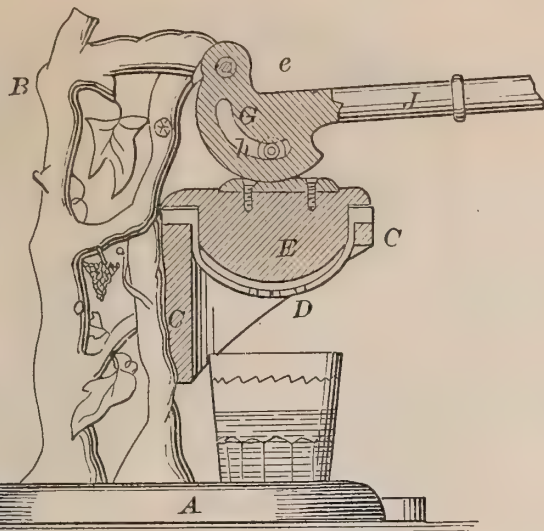
65807—T. Hall—*Typographic Machine.*



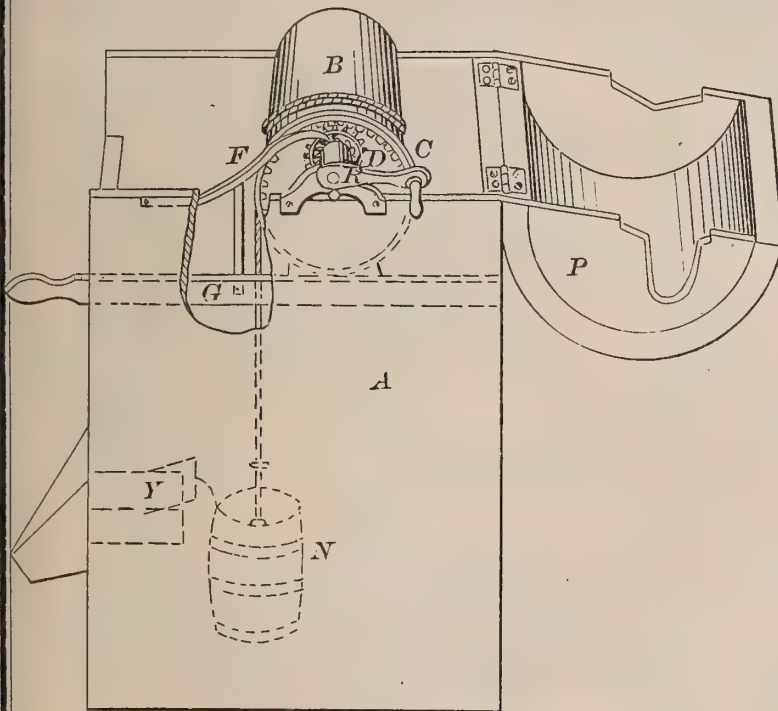
65808—0. Hammel—*Electric Apparatus for Lighting Gas Engines.*



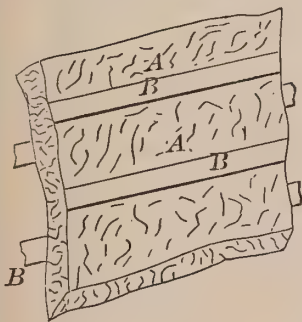
65809—Hesselbacher & Moesta—Lemon Squeezer.



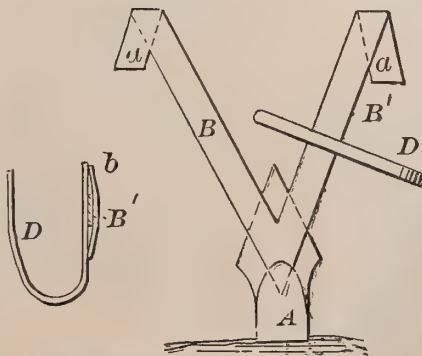
65811—T. Holmes—Water Elevator.



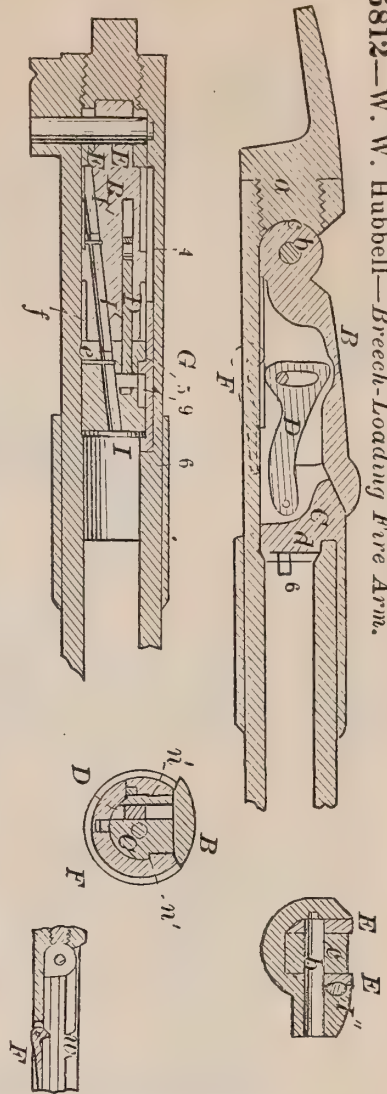
65814—M. A. Johnson—  
Carpet Lining.



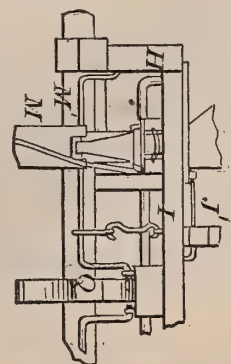
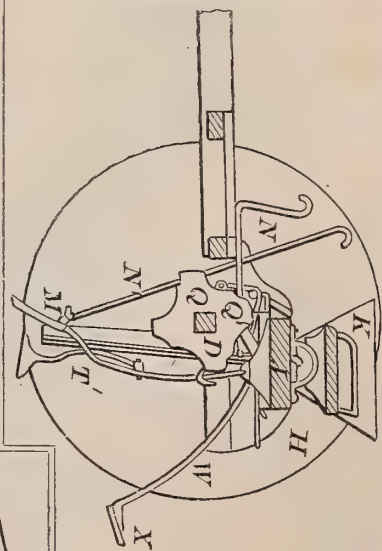
65815—L. C. Keeler—  
Shoe Holder.



65812—W. W. Hubbell—Breech-Loading Fire Arm.

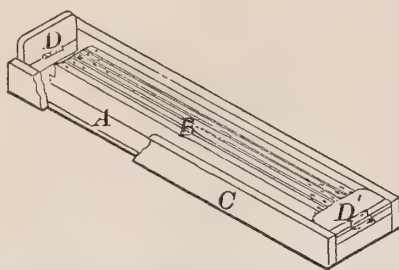


65810—C. T. Holman—Seed Planter.

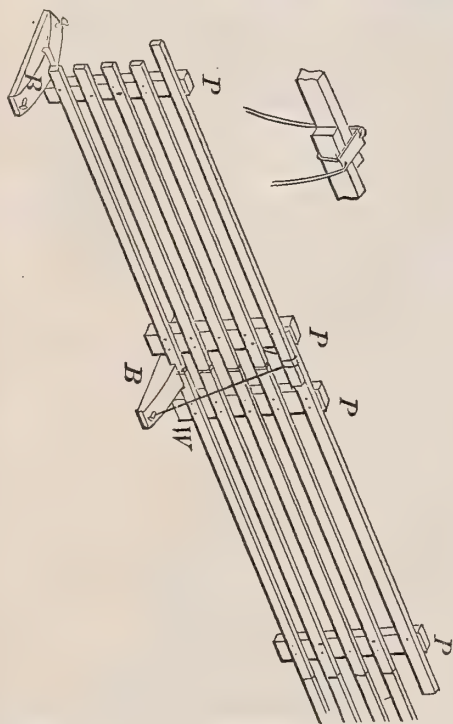
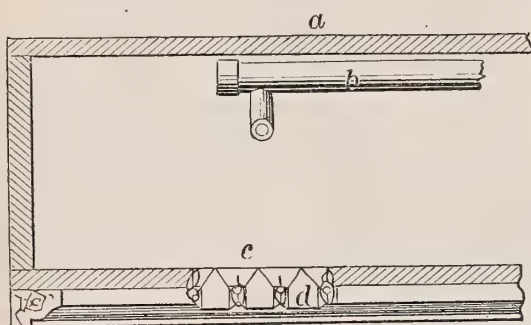




**65816**—E. W. Keyes—*Parlor Ten Pin Alley.*

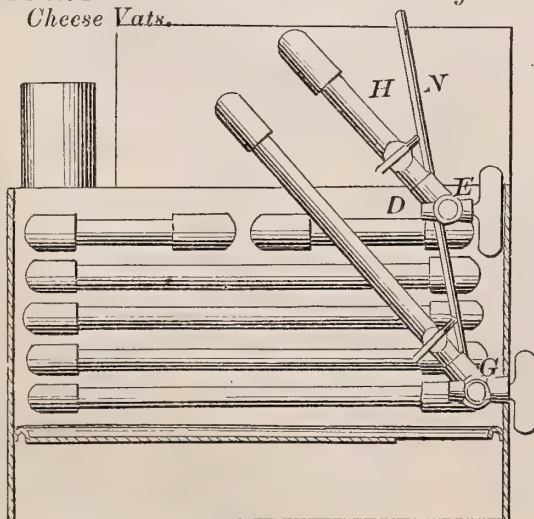


**65817**—G. H. Kitchen—*Sign.*

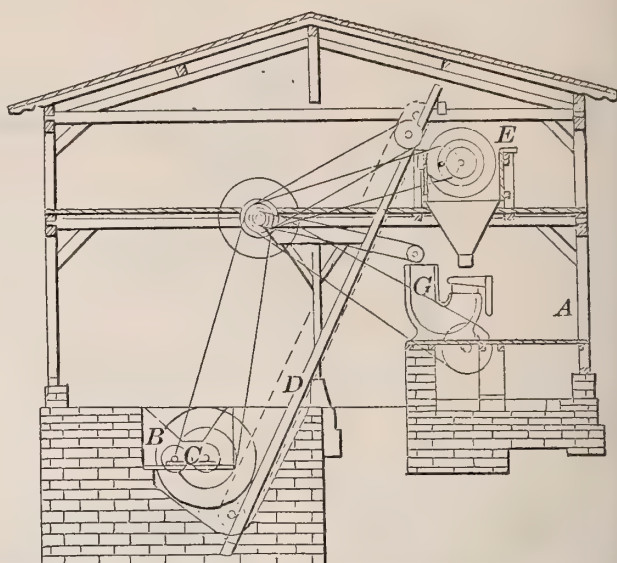


**65819**—I. L. Landis—*Fence.*

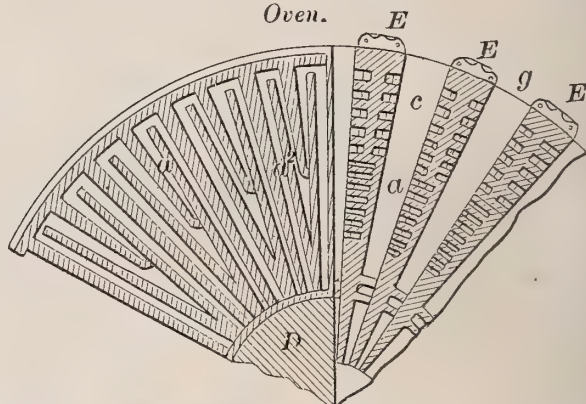
**65823**—H. W. Millar—*For Heating Cheese Vats.*



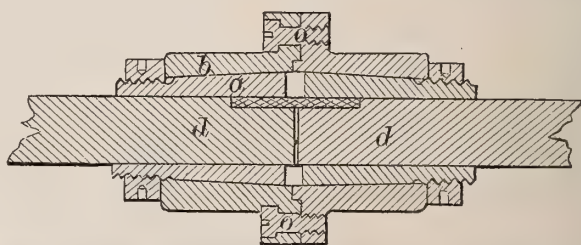
**65818**—A. Komp—*For Washing and Separating Coal.*



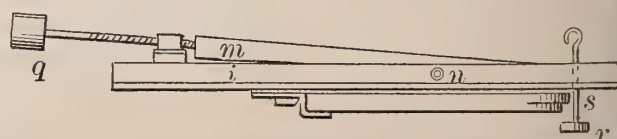
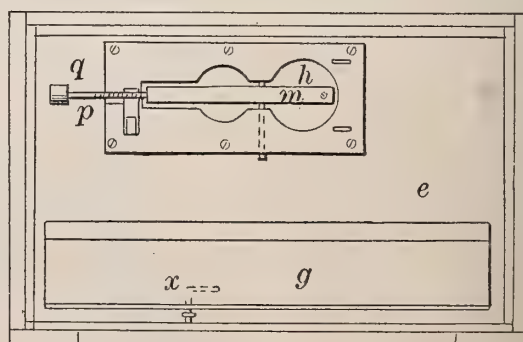
**65820**—F. J. F. Laumonier—*Circular Coke Oven.*



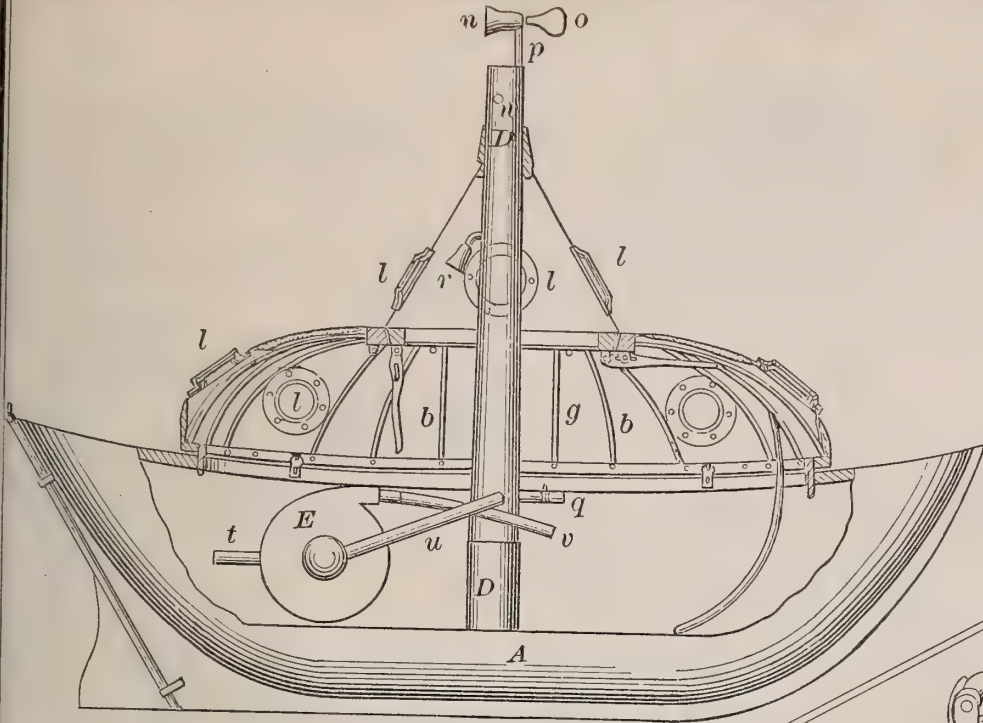
**65821**—London & Richards—*Shaft Coupling.*



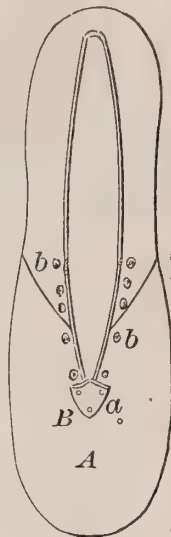
**65822**—L. Fayette—*Melodeon.*



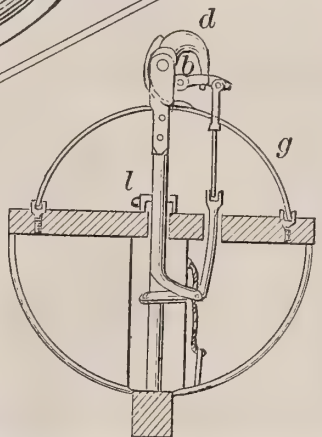
65824—M. V. Nobles—Life Boat.



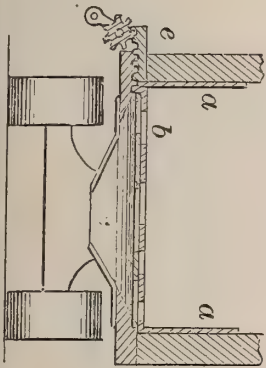
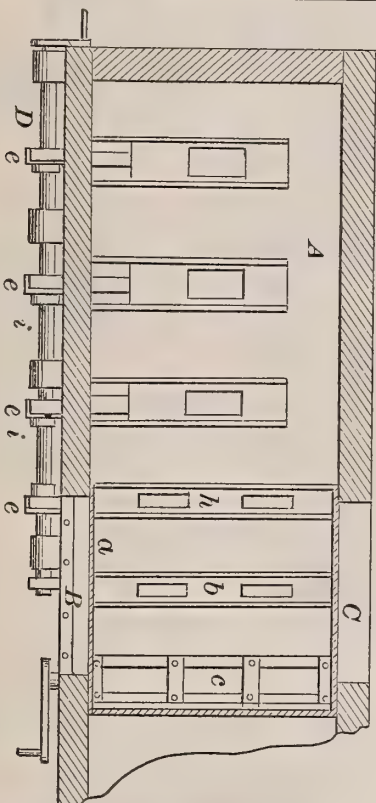
65829—T. K. Reed—Stay for Boats and Shores.



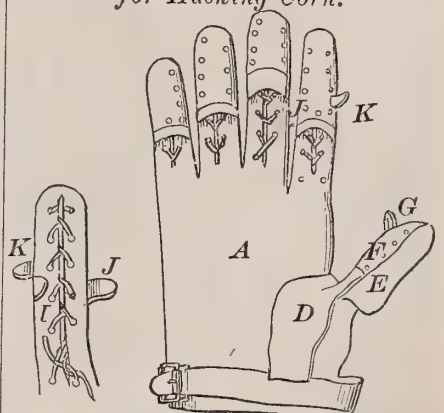
65825—M. V. Nobles—Boat Detaching Tackle.



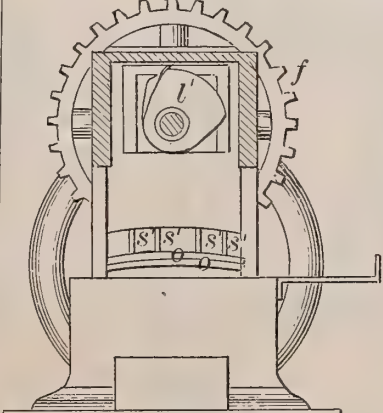
65826—L. H. Palmer—Unloading Grain.



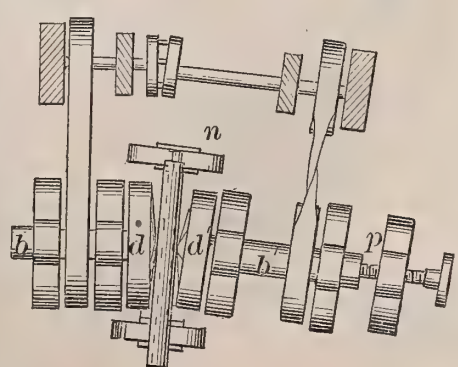
65827—A. W. Preston—Glove for Husking Corn.



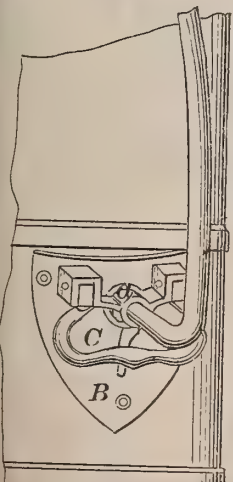
65831—J. Reese—For Making Fish Bars for Railroad Rails.



65832—J. Reese—For Straightening Cylindrical Metal Bars.



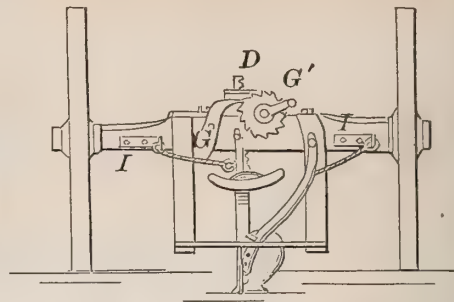
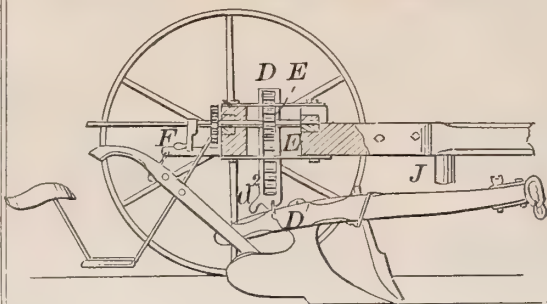
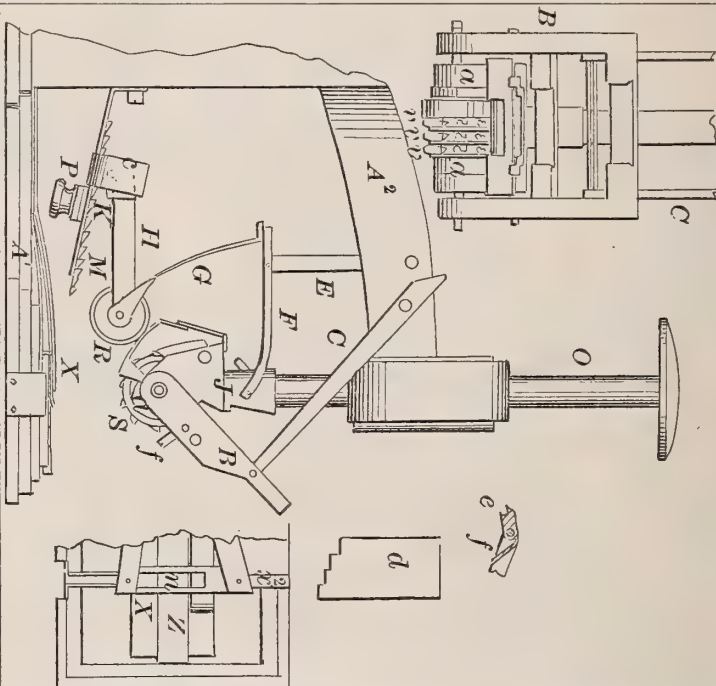
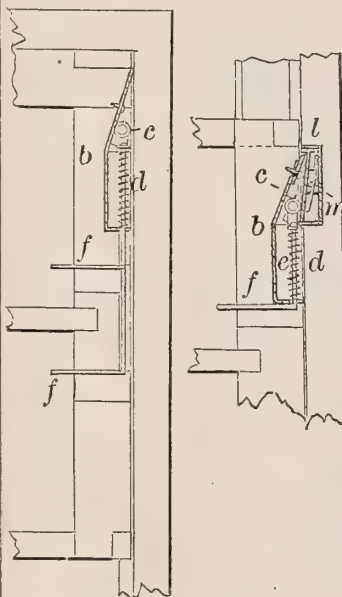
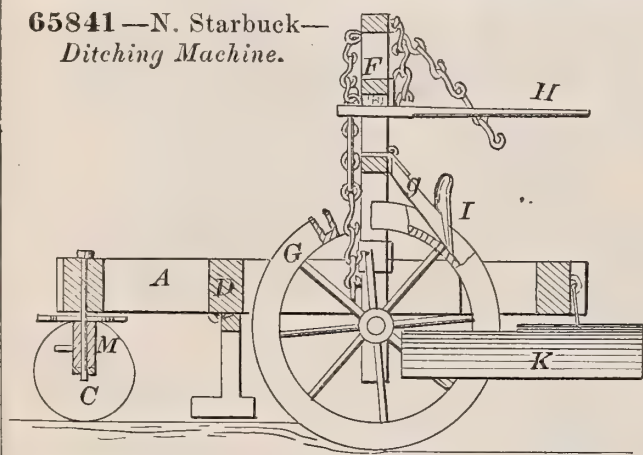
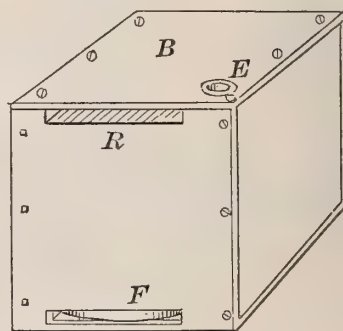
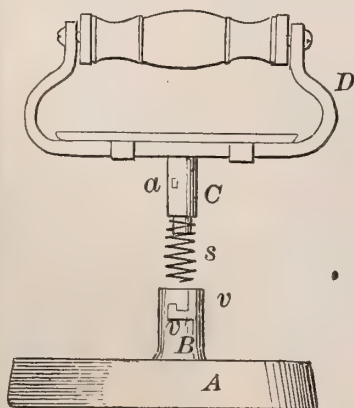
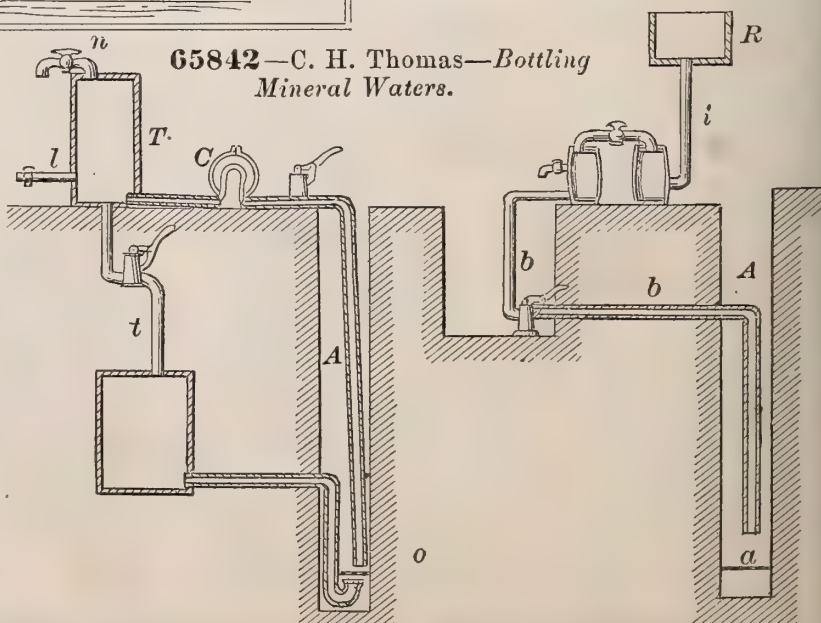
65828—W. Ralph—Mule Car.



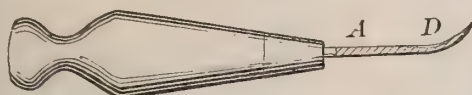


65834—J. C. Rogers—*Sulky Plow.*

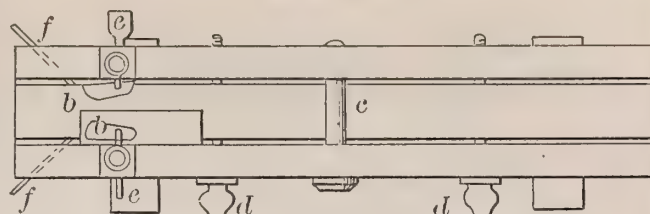
65833—C. E. Richards—*Paper Braid.*

65839—S. W. Soule—*Numbering Machine.*65835—B. E. Sampson—*Window Sash Supporter.*65841—N. Starbuck—*Ditching Machine.*65836—D. Saunderson—*Boxing Oil Cans.*65837—W. Siefert—*Sad Iron.*65842—C. H. Thomas—*Bottling Mineral Waters.*

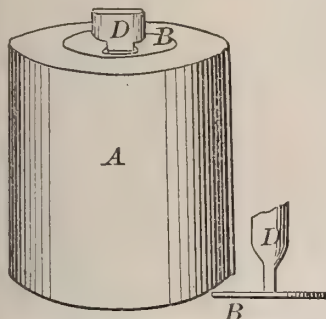
65843—S. E. Totten—*Awl.*



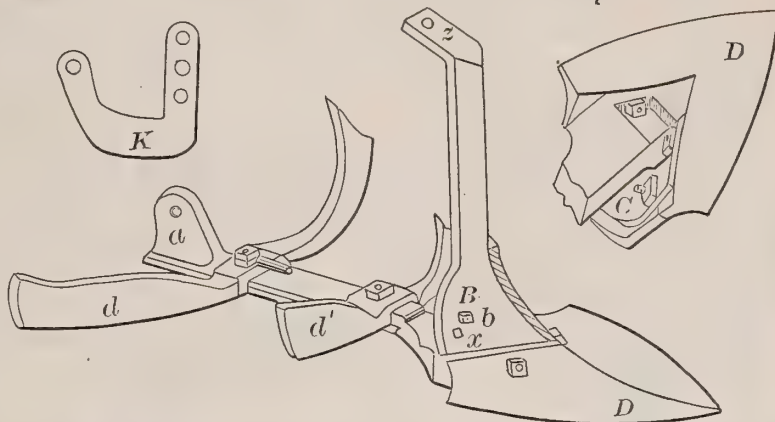
65845—J. F. Valentine—*For Dressing Harness Side Straps.*



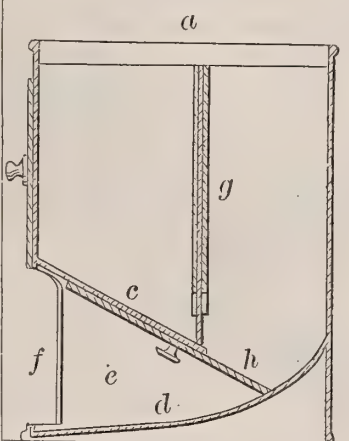
65844—W. H. Trissler—*Preserving Fruit.*



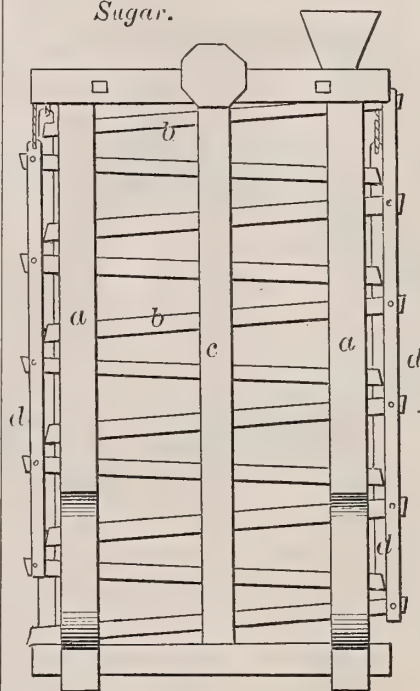
65847—T. P. Warren—*Cotton Plow and Scraper.*



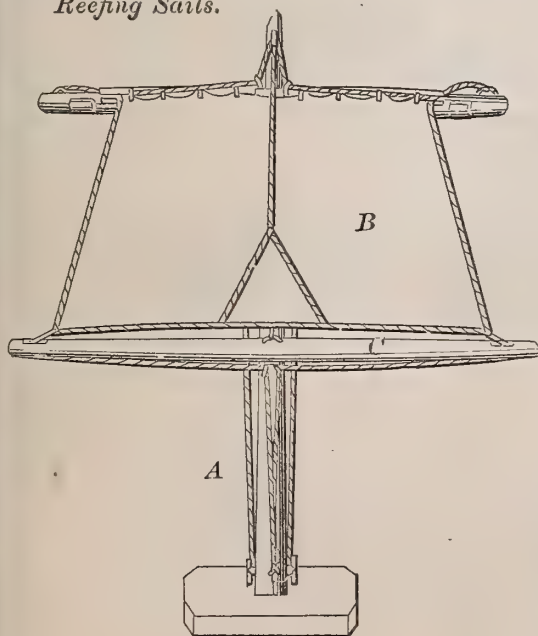
65849—W. Welbourne—*Tea Canister.*



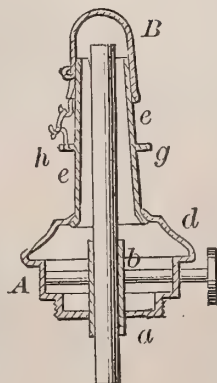
65848—Watson & Spencer—*Manufacture of Sorghum Sugar.*



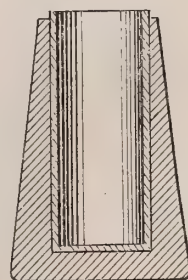
65852—W. Wyatt—*For Furling and Reefing Sails.*



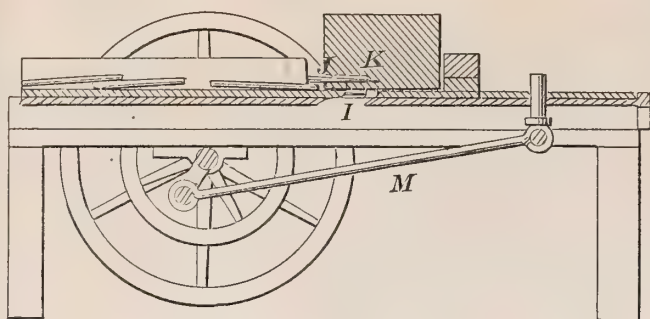
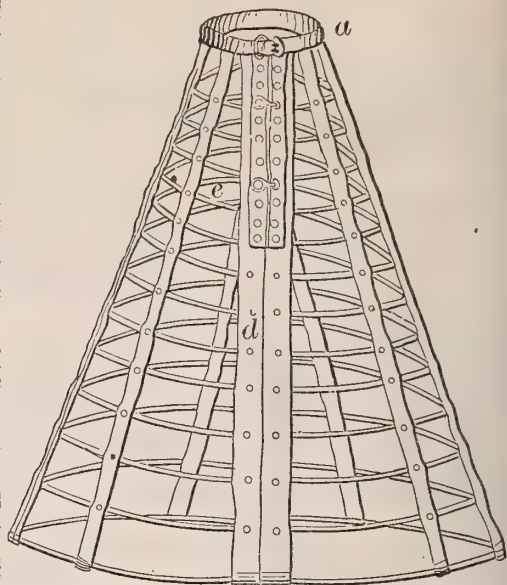
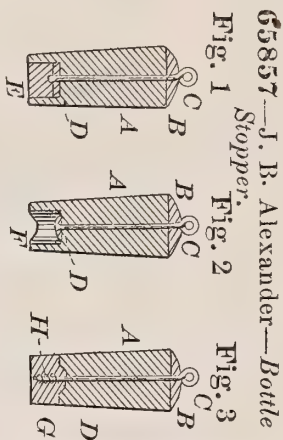
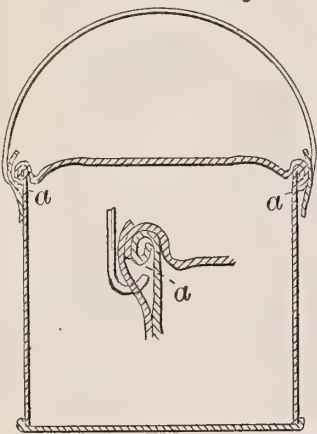
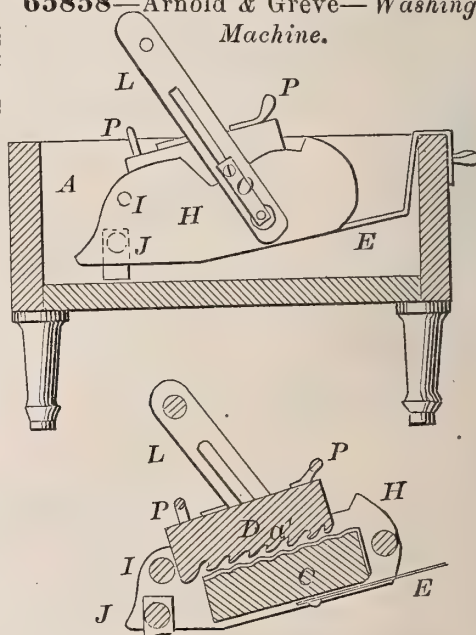
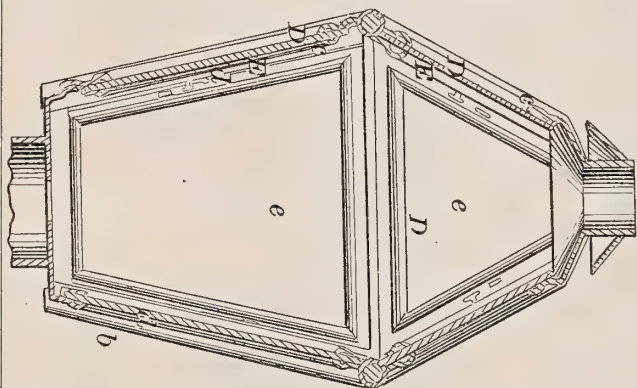
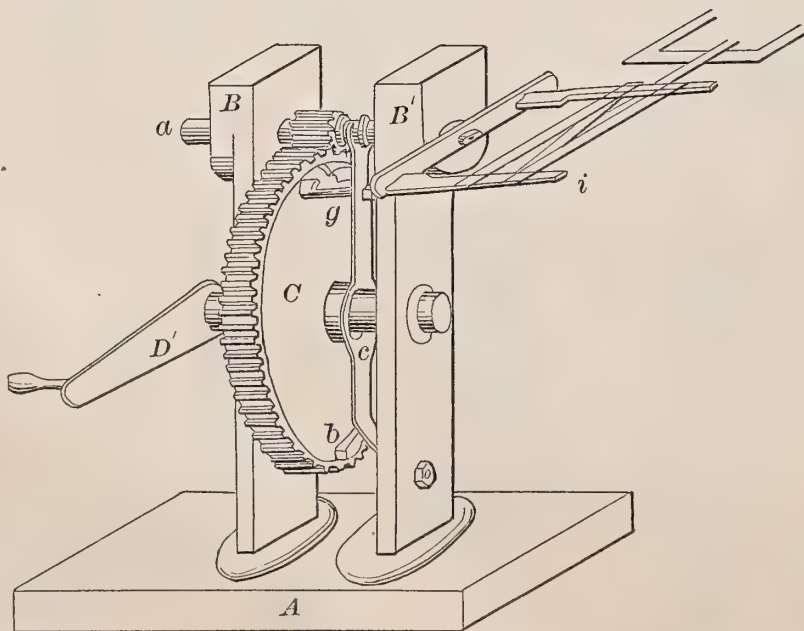
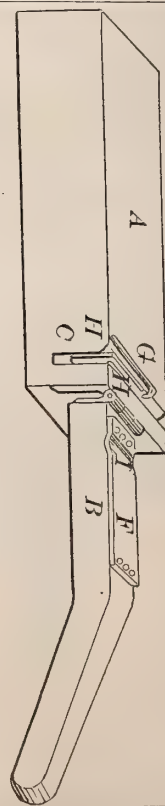
65851—M. B. Wright—*Lamp Burner.*



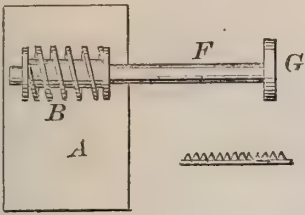
65850—C. V. Wilson—*Pot for Lead Baths for Tempering Steel, &c.*



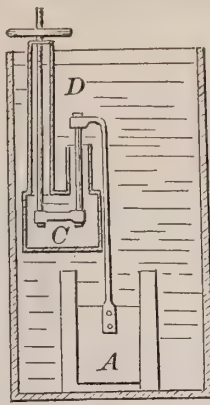


65853—C. L. Zeidler—*For Making Match Splints.*65854—E. Adams, Jr.—*Hoop Skirt.*65855—J. C. Adams—*Metallic Paint Keg.*65857—J. B. Alexander—*Bottle Stopper.*65858—Arnold & Greve—*Washing Machine.*65860—Avery & Nichols—*Street Lantern.*65859—W. R. Arnold—*Lapping Braid.*65856—J. Adams—*For Fastening Bule Ties.*

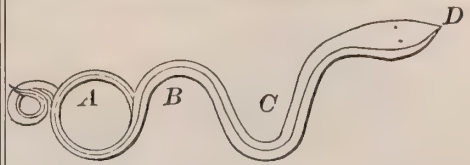
**65861**—C. H. Bagley—*Feed Roller for Lamp Wicks.*



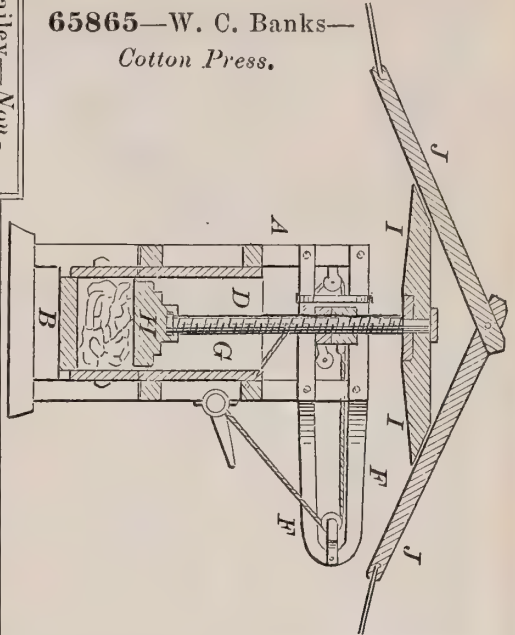
**65862**—A. M. Bailey—*Non-Freezing Water Gate.*



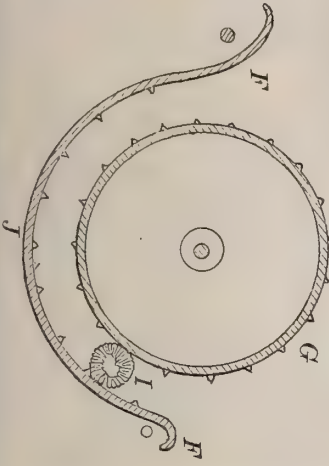
**65867**—E. M. Bates—*Corn Husker.*



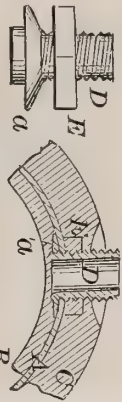
**65865**—W. C. Banks—*Cotton Press.*



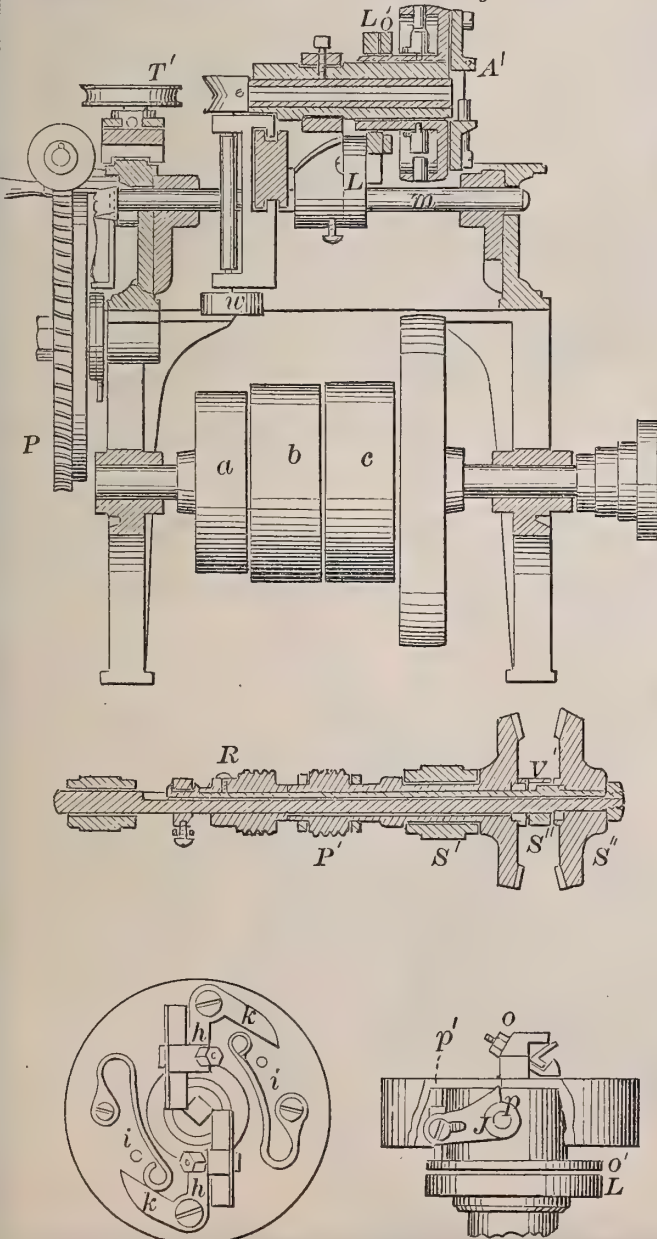
**65868**—F. A. Bolles—*Corn Shelter.*



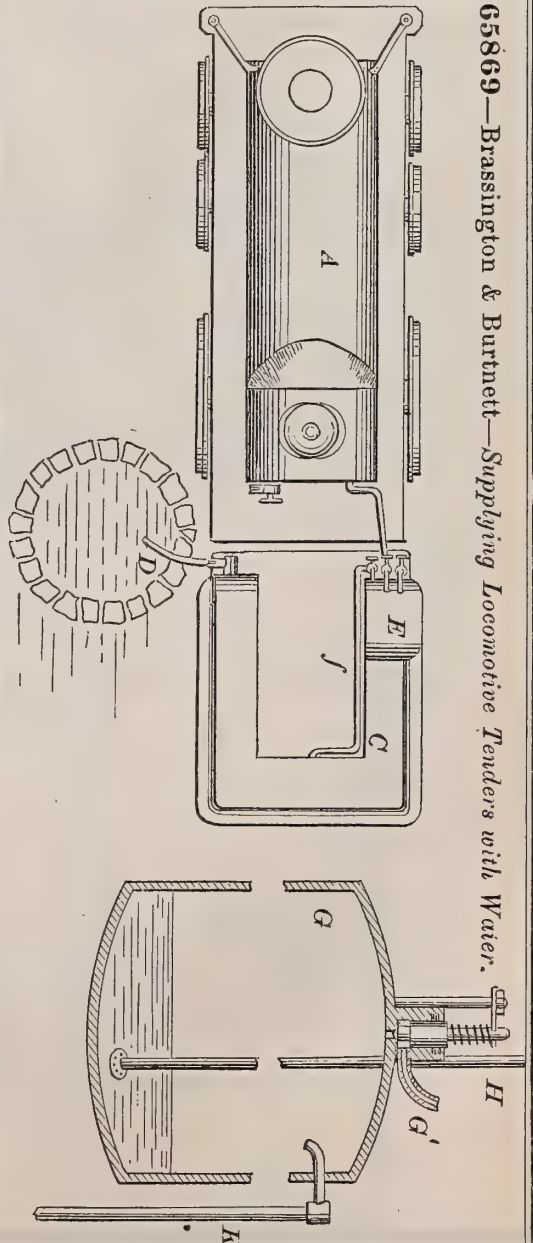
**65863**—G. H. Bailey—*For Tapping Cement Lined Pipes.*



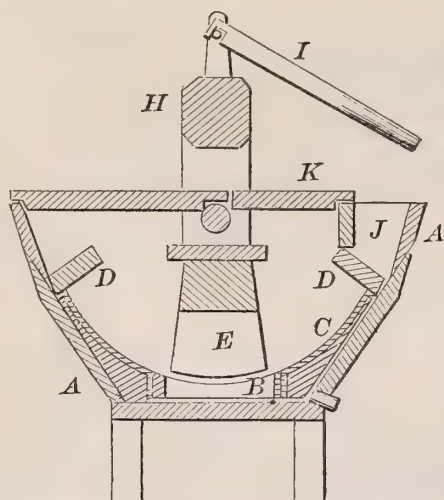
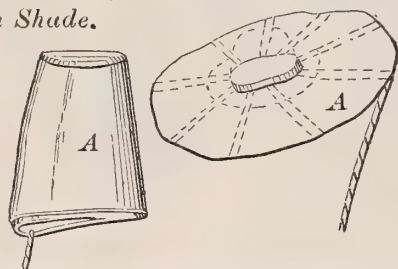
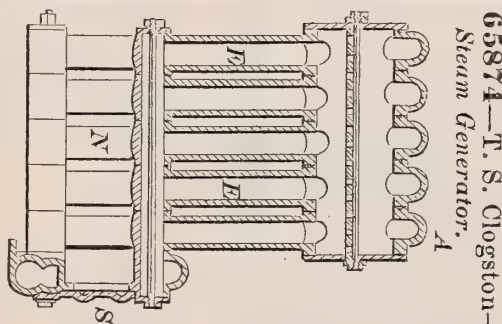
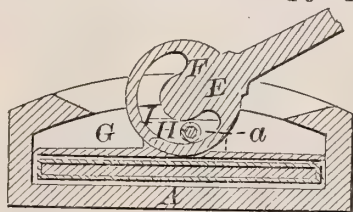
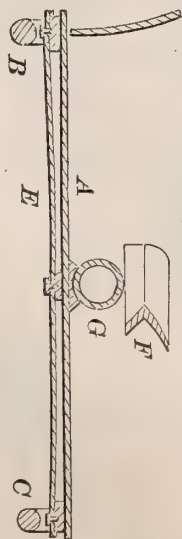
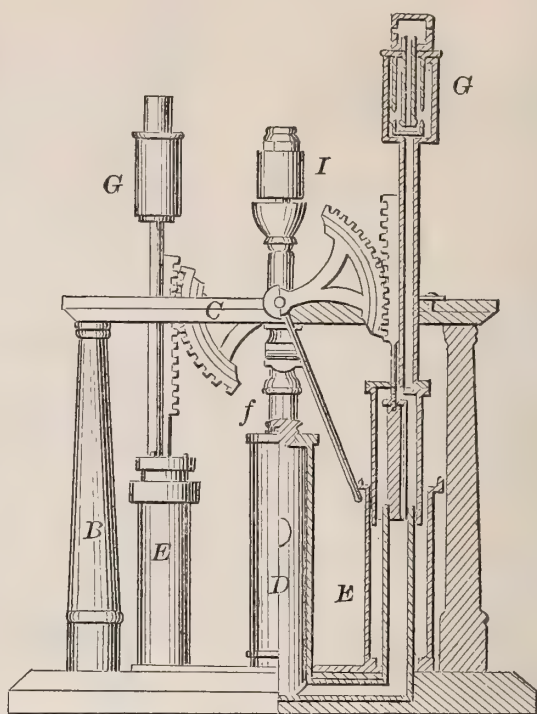
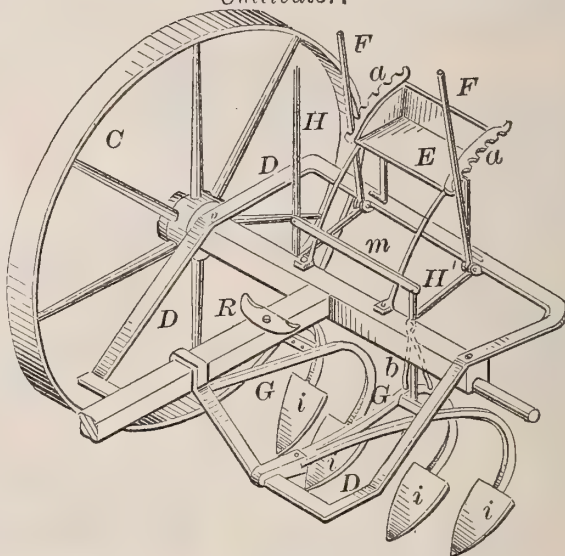
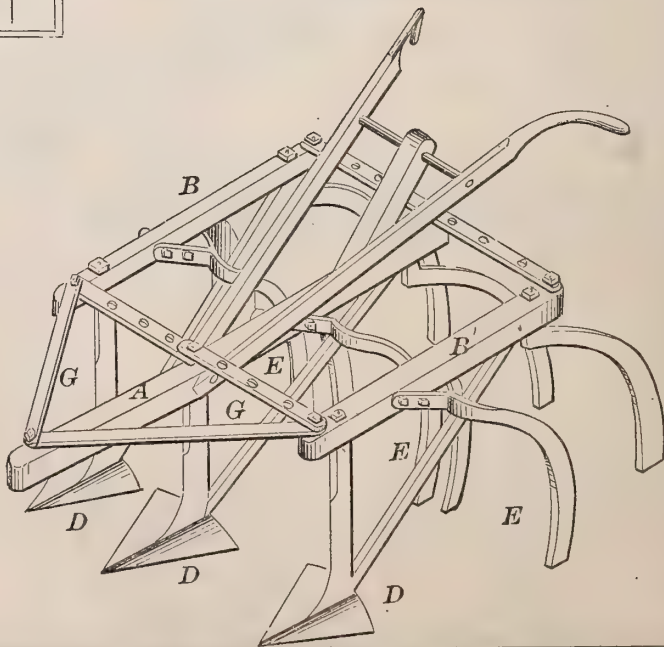
**65864**—F. Baldwin—*Wood Turning Lathe.*



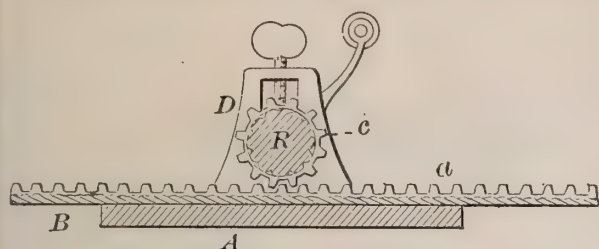
**65869**—Brassington & Burtnett—*Supplying Locomotive Tenders with Water.*



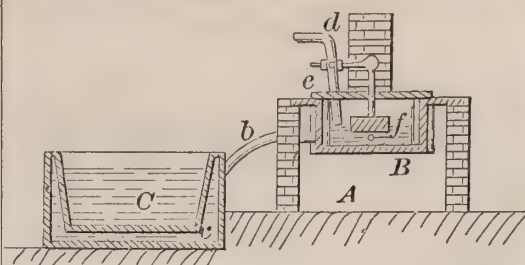


65870—A. Brooks—*Washing Machine.*65871—J. W. Browne—*Pocket Sun Shade.*65873—S. G. Cabell—*Copying Press.*65874—T. S. Clogston—*Steam Generator.*65876—C. Conderman—*Carriage.*65872—S. G. Cabell—*Air Pump for Marine Alarms.*65875—B. C., T. W. & J. M. Cochran—*Cultivator.*65877—G. W. Cooper—*Rice Cultivator.*

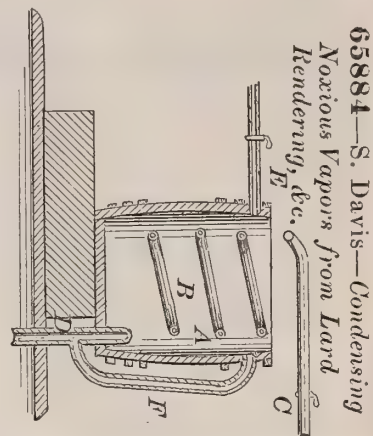
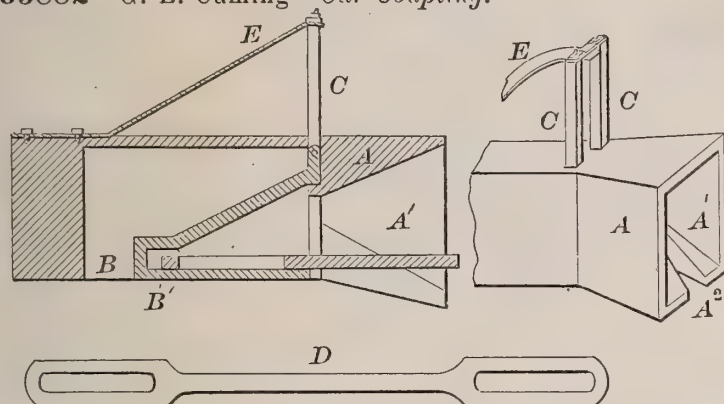
65878—G. A. Cover—Meat Mangle.



65881—Crumb & Sears—Cheese Vat.

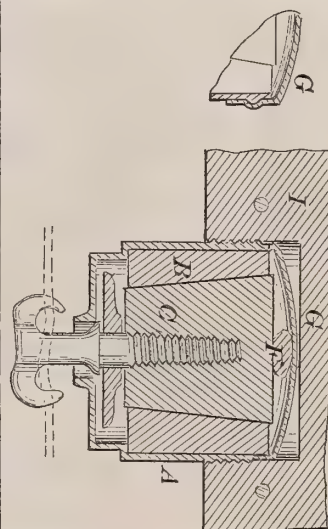
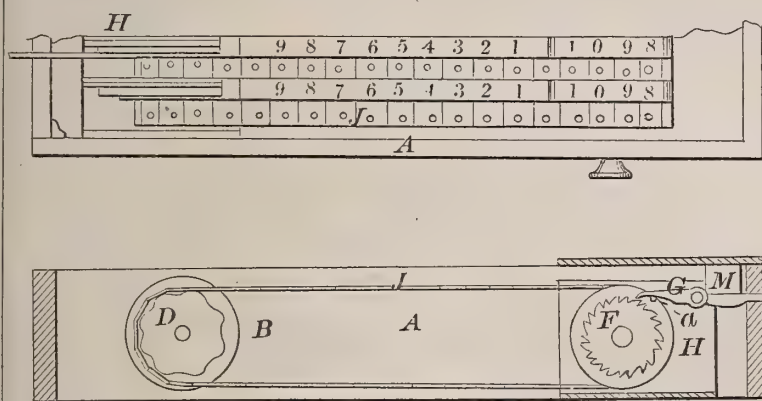


65882—G. E. Cuming—Car Coupling.

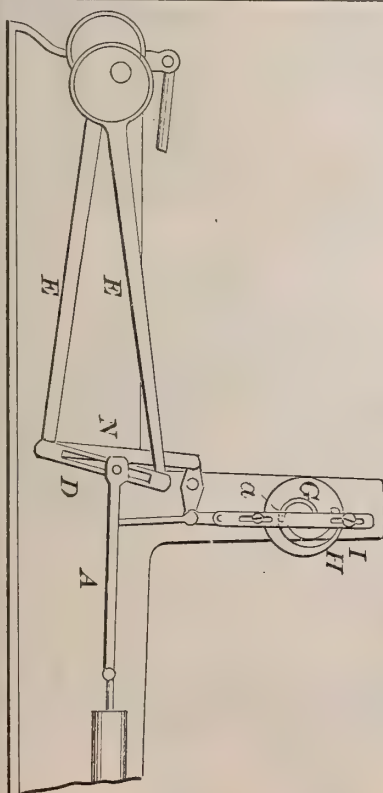


65884—S. Davis—Condensing Noxious Vapors from Lard Rendering, &c.

65883—A. W. Davies—Computing Machine.

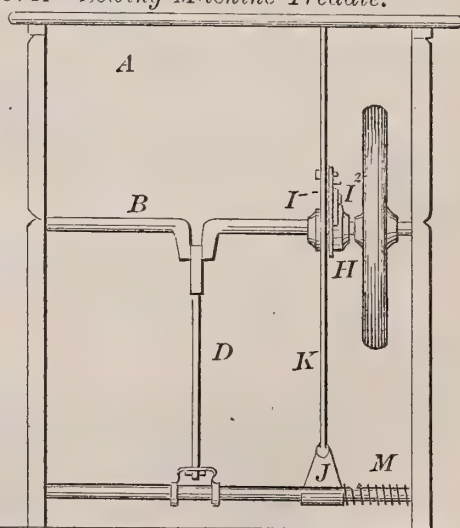
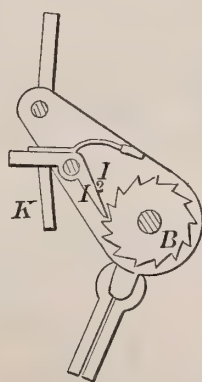


65886—A. B. Day—Telegraph Wire Insulator.

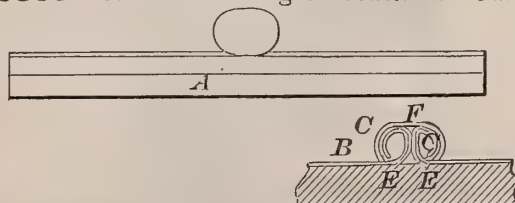


65885—T. S. Davis—Steam Engine Governor.

65887—N. B. Devol—Sewing Machine Treadle.

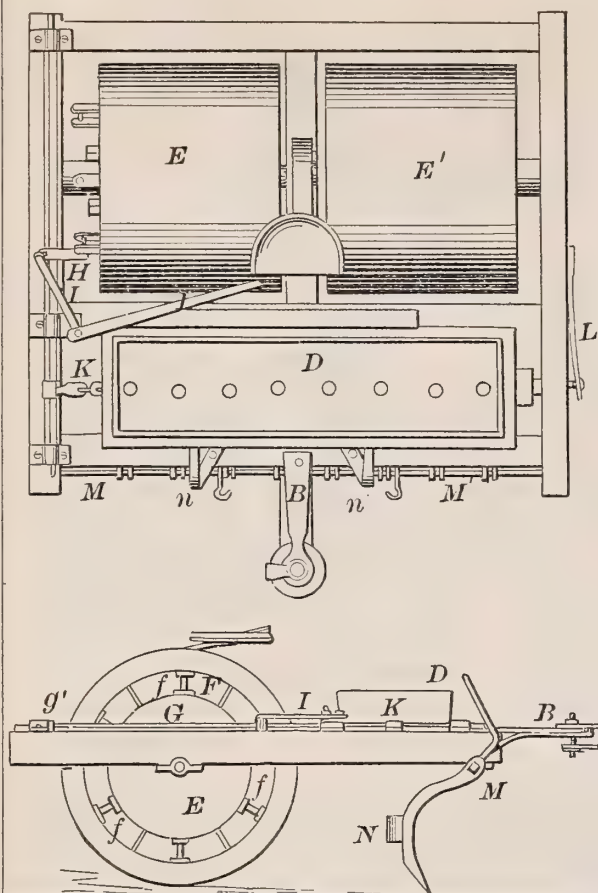


65888—C. Dummeldinger—Railroad Car Roof.

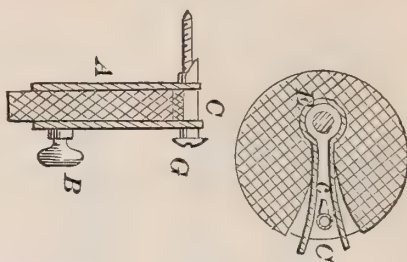




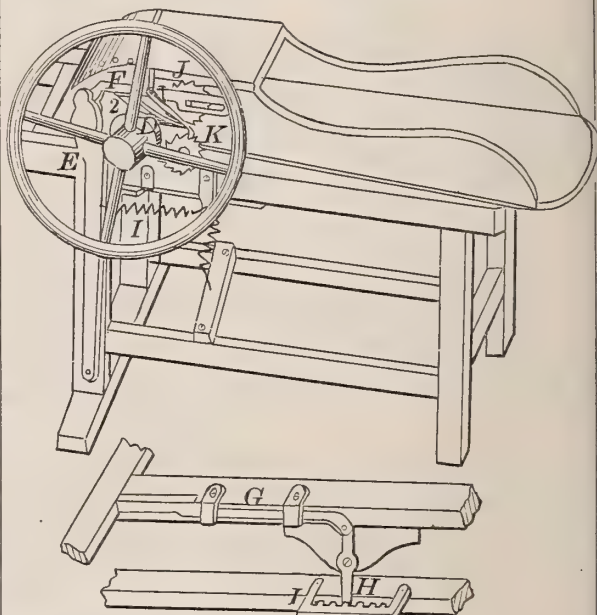
**65889**—Duncan & Ridgley—*Sower, Planter and Cultivator.*



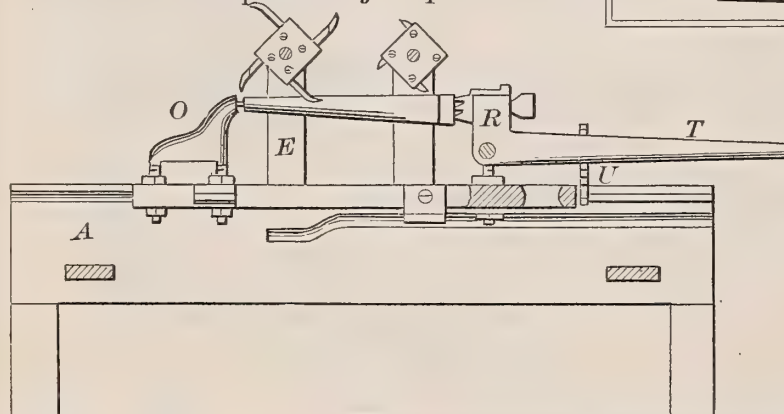
**65890**—Durham & Rising—*Sash Supporter.*



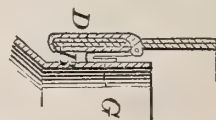
**65893**—W. H. Evans—*Straw Cutter.*



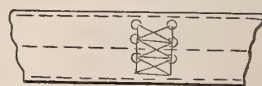
**65891**—C. C. Dupue—*Wagon Spoke Machine.*



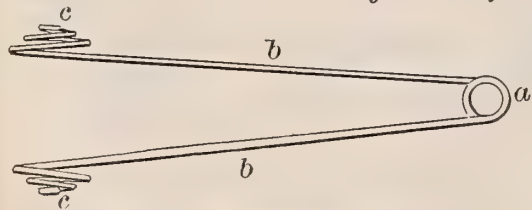
**65894**—C. R. Everson—*Paper Collar Fastening.*



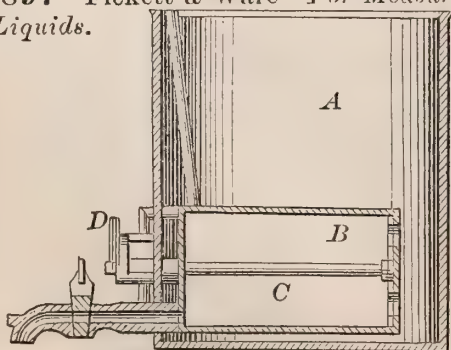
**65895**—C. J. Fay—*Belting.*



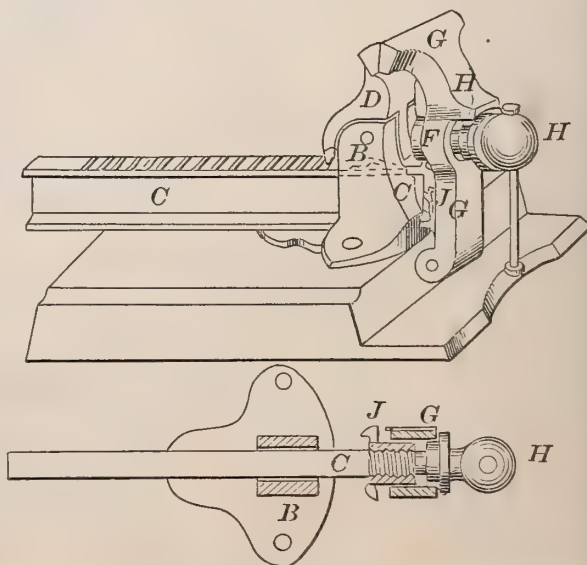
**65896**—C. C. Fellows—*Vegetable Lifter.*



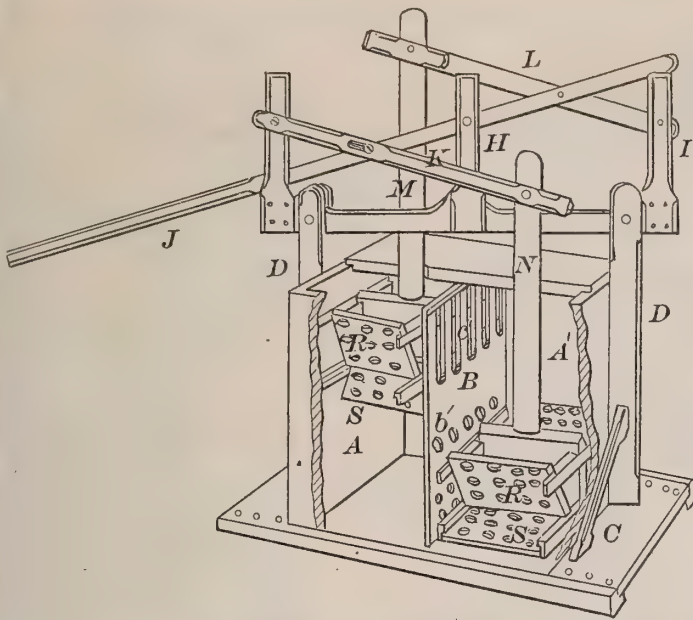
**65897**—Fickett & Ware—*For Measuring Liquids.*



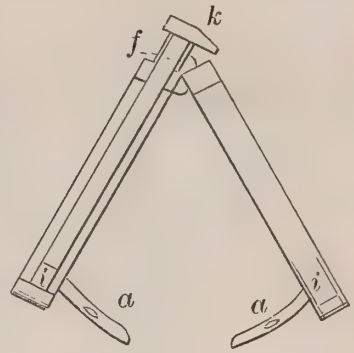
**65898**—O. V. Flora—*Vise.*



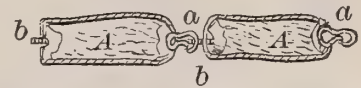
65899—C. George—*Churn.*



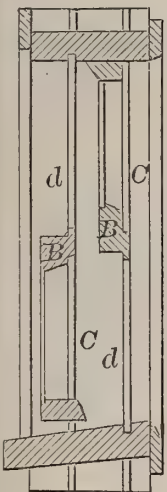
65900—A. W. Goddard—*Caliper Rule.*



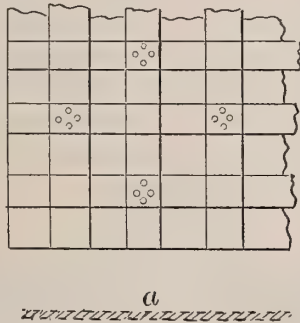
65901—J. Golding—*Life Preserving Mattress.*



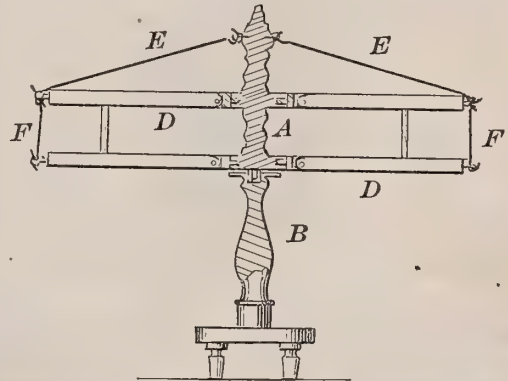
65902—D. R. Gould—*Window Sash.*



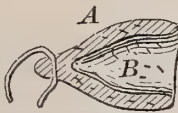
65904—T. Griffin—*Floor Cloth.*



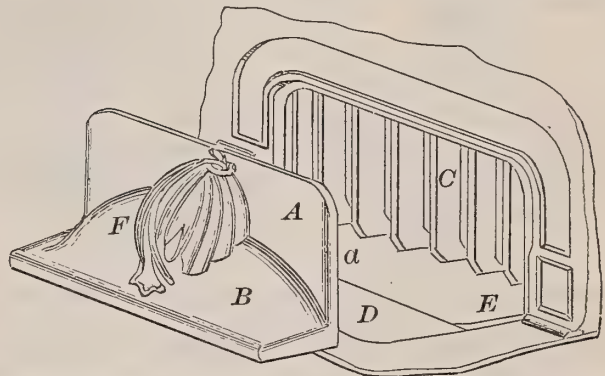
65905—R. Hamblin—*Clothes Dryer.*



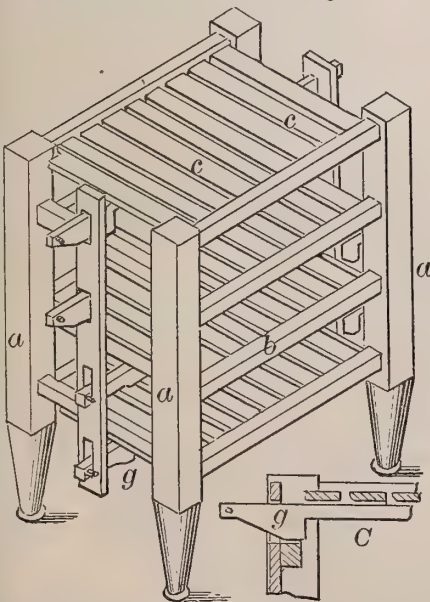
65903—W. G. Grant—*Pessary.*



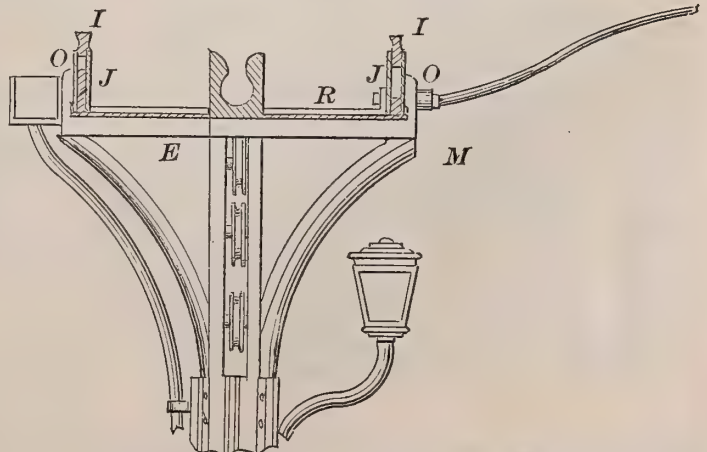
65906—Harris & Zoiner—*Stove Door and Fender.*



65907—C. B. & G. W. Hart—*Milk Rack and Fruit Dryer.*

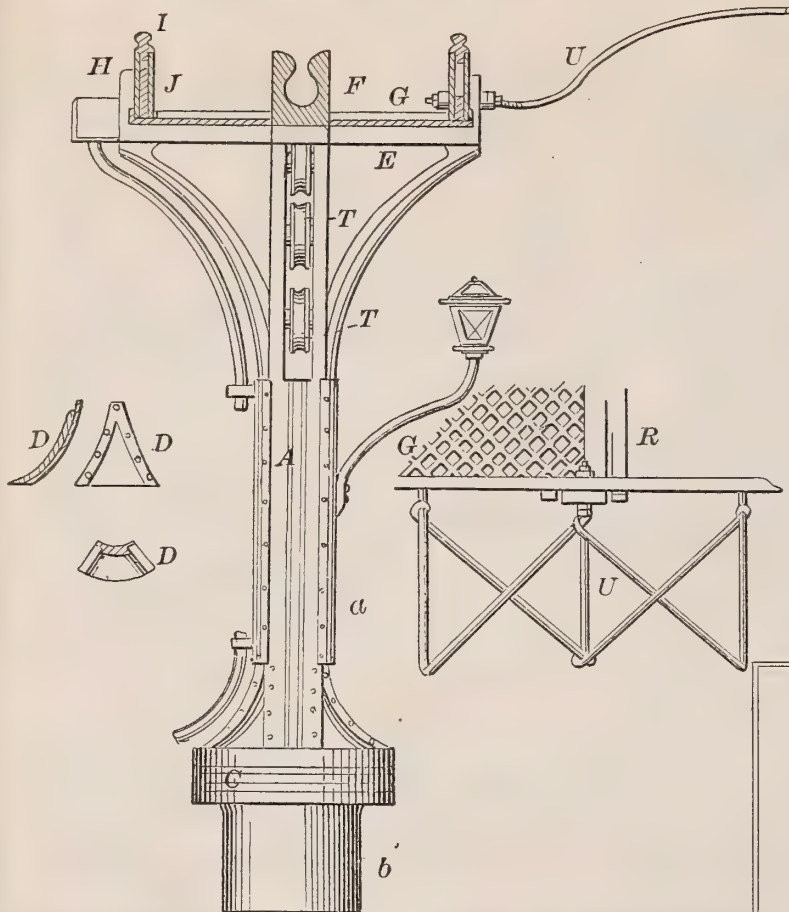


65908—C. T. Harvey—*Elevated Railway.*

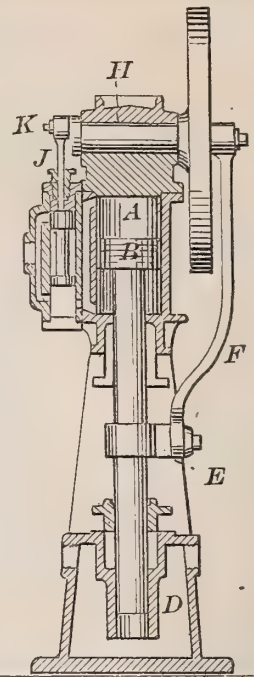




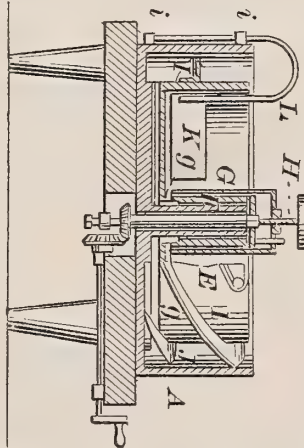
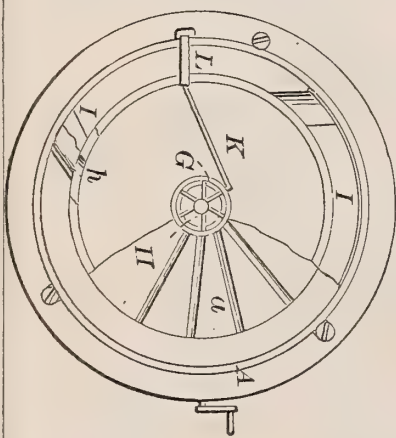
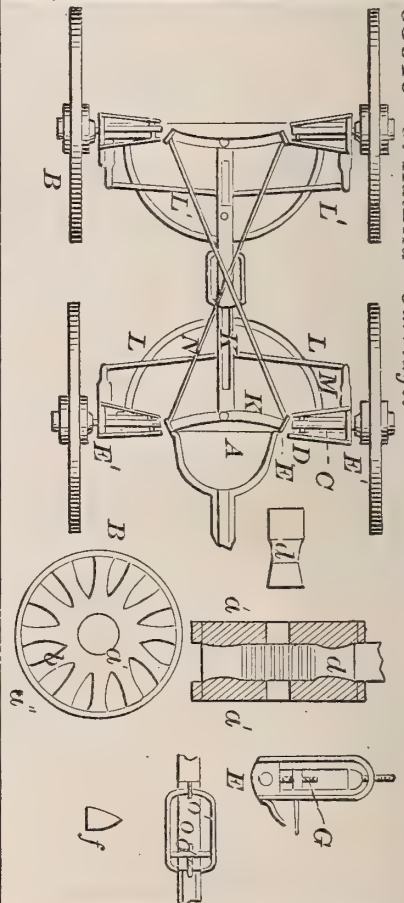
65909—C. T. Harvey—*Elevated Railway.*



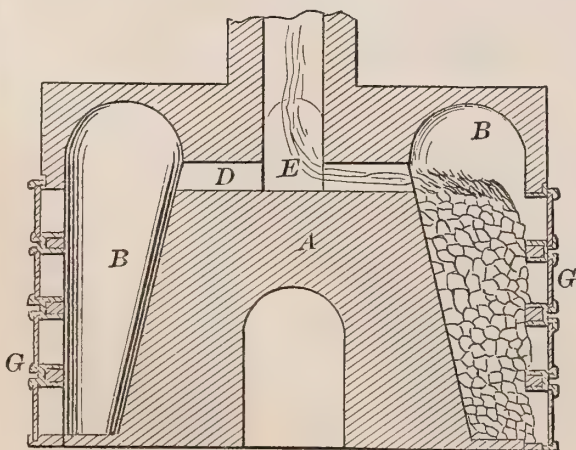
65911—W. M. Henderson—*Steam Pump.*



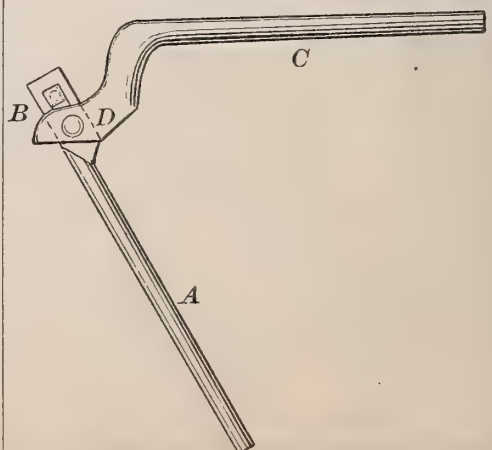
65912—R. W. Howard—*Amalgamator.*

65910—J. Hatfield—*Carriage.*

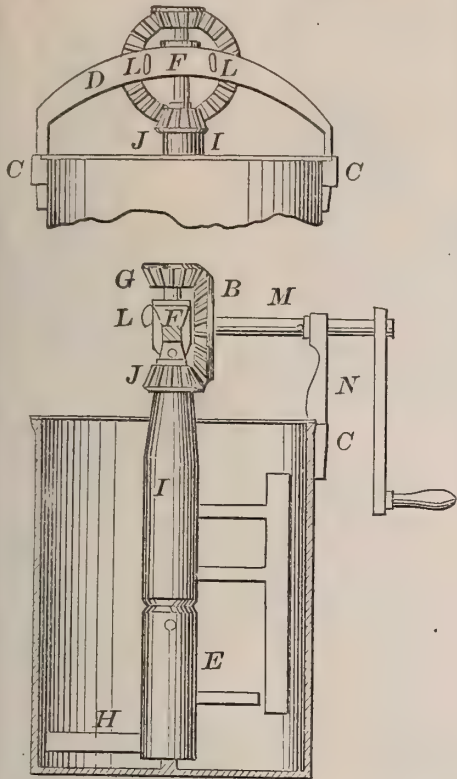
65914—J. Hughes—*Furnace for Burning Pyrites.*



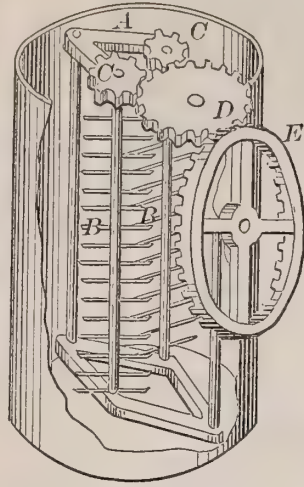
65913—H. Howe—*Bolt Trimmer.*



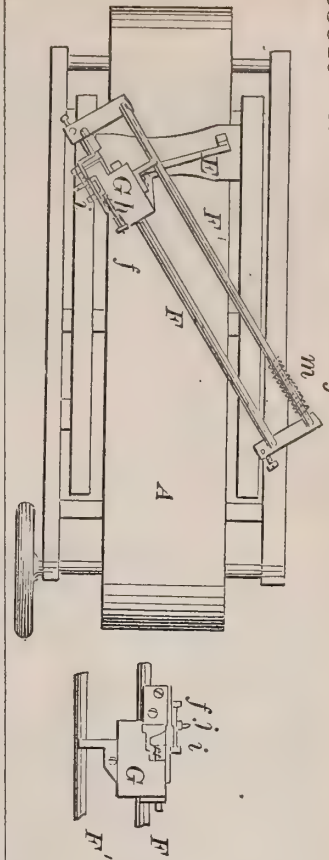
65915—A. Huyck—Churn.



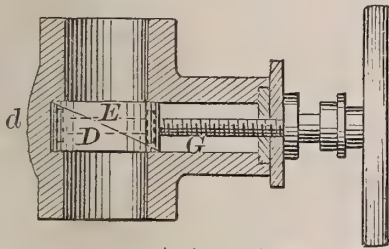
65916—F. L. King—Egg Cutter.



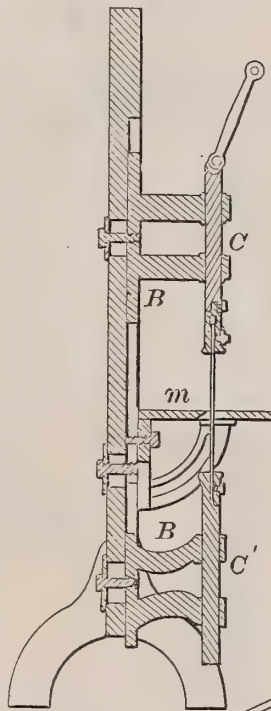
65919—C. Korn—For Dressing Leather.



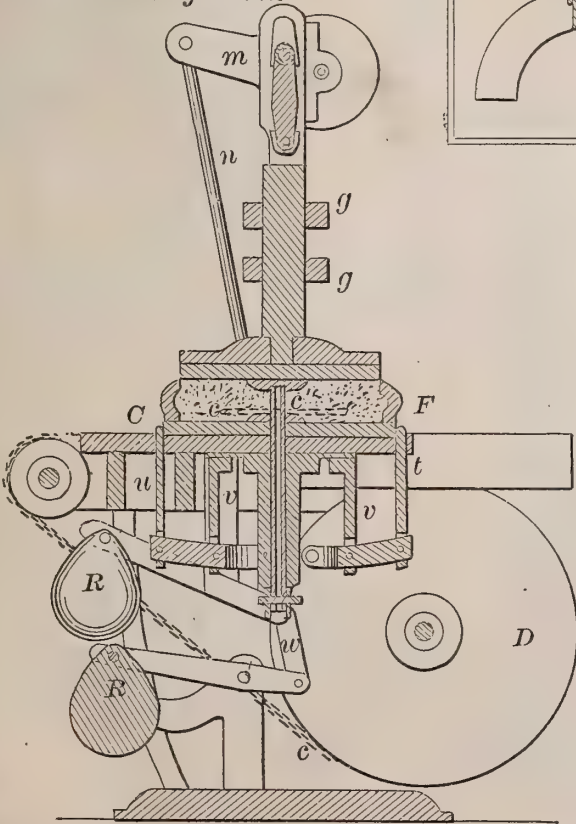
65921—T. H. Lidford—Steam Valve.



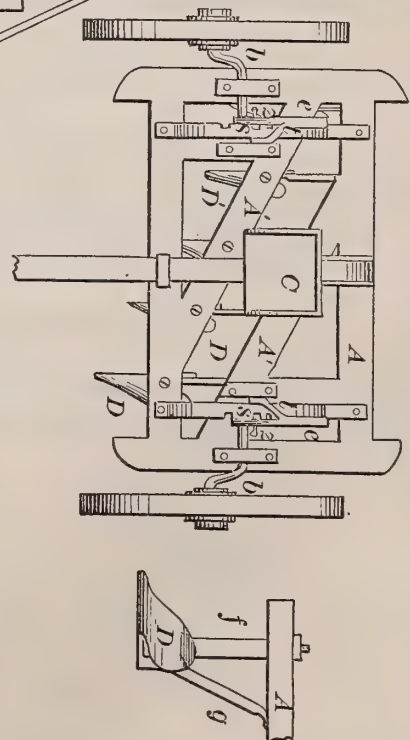
65920—T. H. Lindley—Filing Machine.



65922—A. H. Lowell—Mould for Casting Metal.

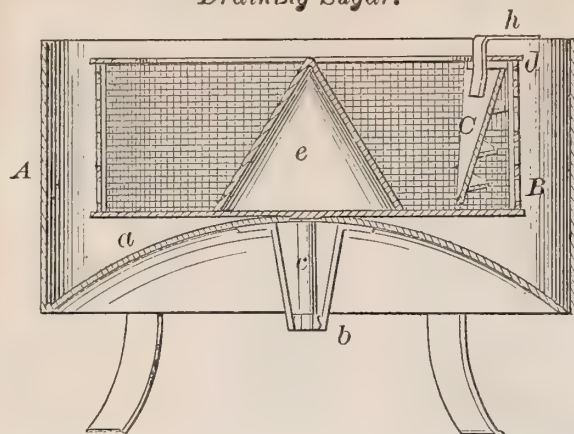


65918—J. Koehn—Cultivator.

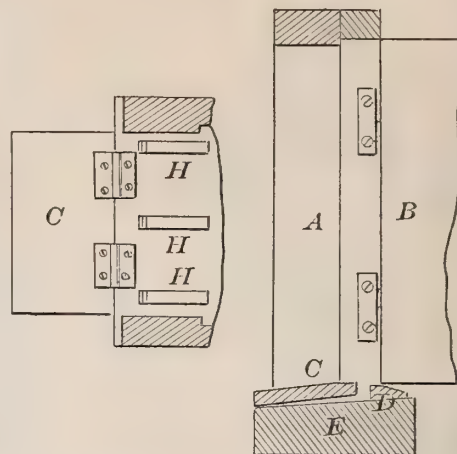




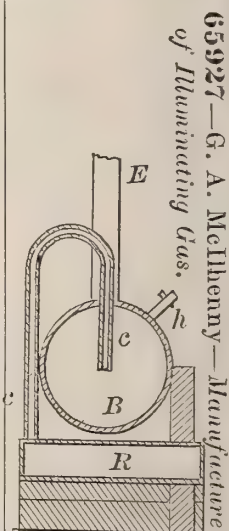
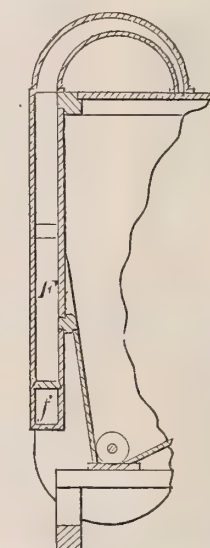
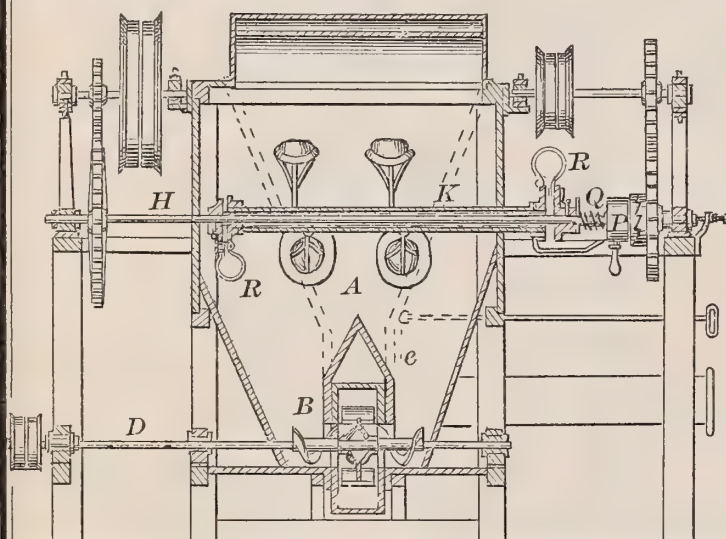
**65923**—A. Mackey—*Centrifugal Machine for Draining Sugar.*



**65929**—I. H. McOmber—*Weather Strip.*

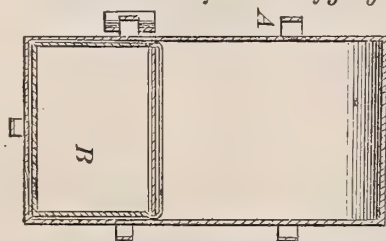


**65926**—Mathais & Legat—*For Coating Hats.*

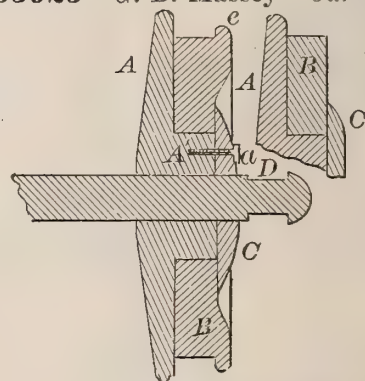


**65927**—G. A. McIlhenny—*Manufacture of Illuminating Gas.*

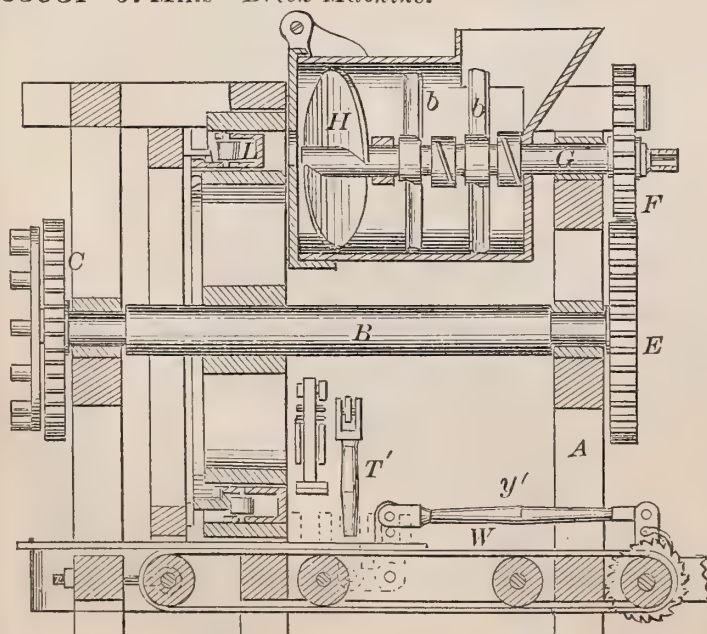
**65928**—L. T. McNeiley—*Identifying Box.*



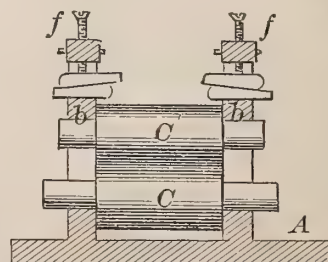
**65925**—G. B. Massey—*Car Wheel.*



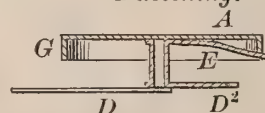
**65931**—J. Mills—*Brick Machine.*



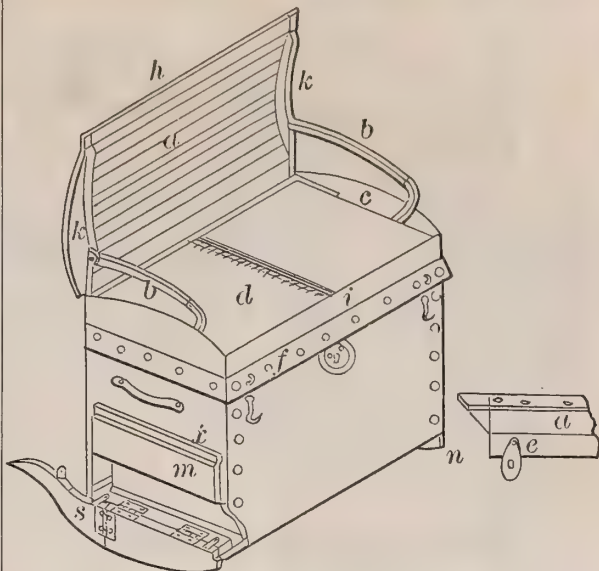
**65930**—S. M. Mecutchen—*Adjusting Rollers.*



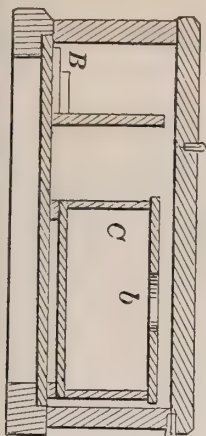
**65932**—Moser & Yellott—*Stud Fastening.*



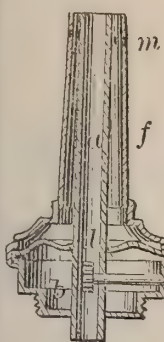
65937—T. Nye—Rocking Chair and Trunk.



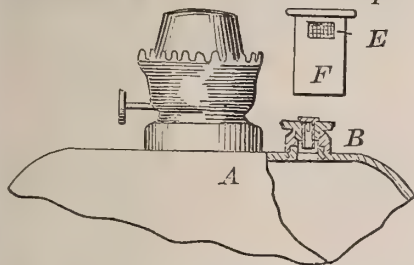
65936—A. Nudd—Melodeon, &c.



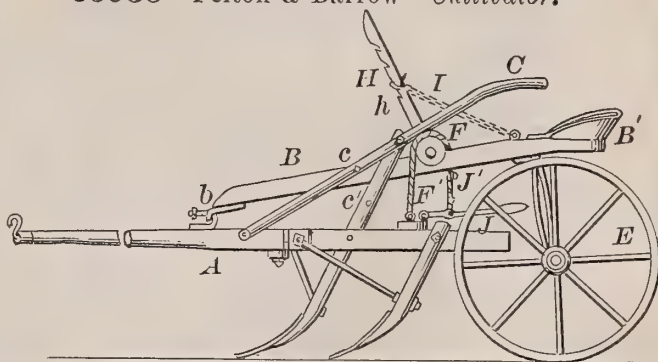
65933—G. Neilson—Lamp Burner.



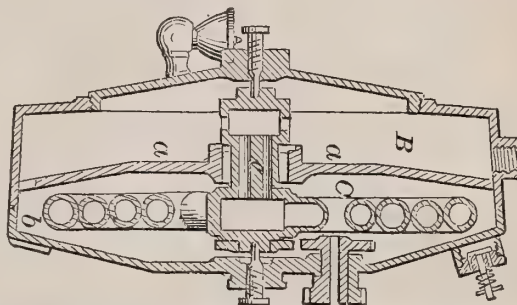
65935—E. D. Norton—Lamp.



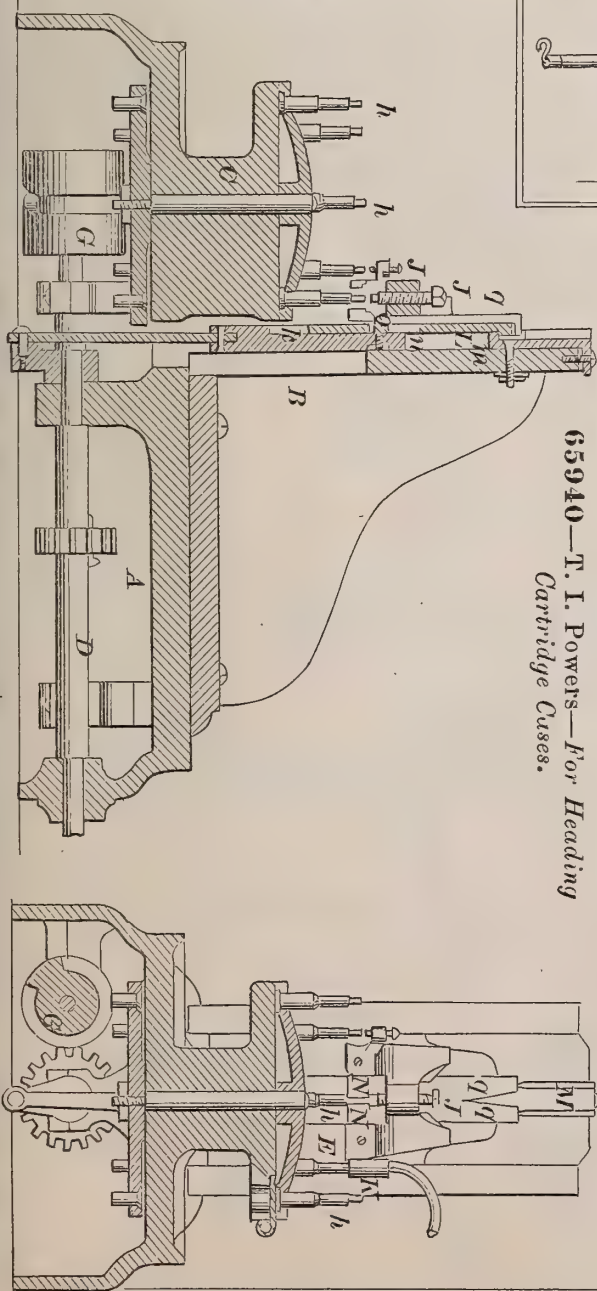
65938—Pelton & Barrow—Cultivator.



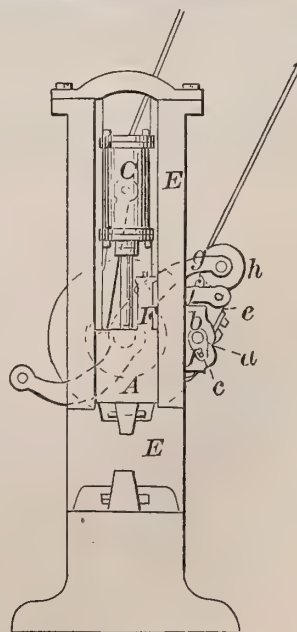
65939—Pond & Richardson—For Producing Blast in Gas Carburetors.



65940—T. I. Powers—For Heading Cartridge Cases.



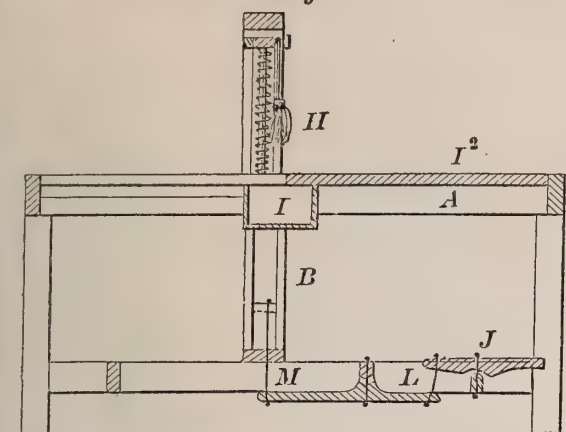
65941—J. Price—Forging Apparatus.



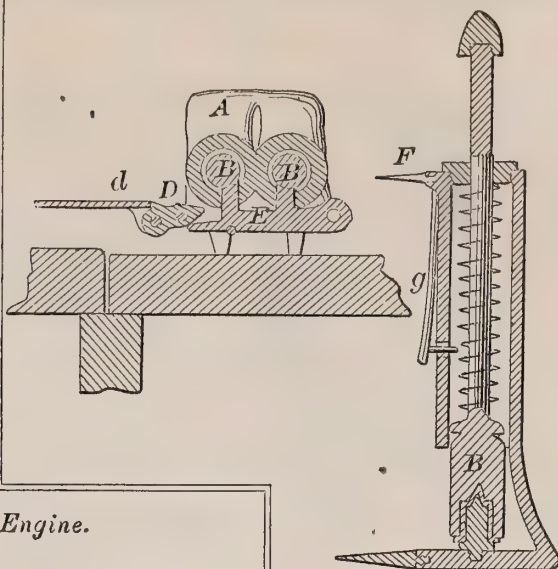




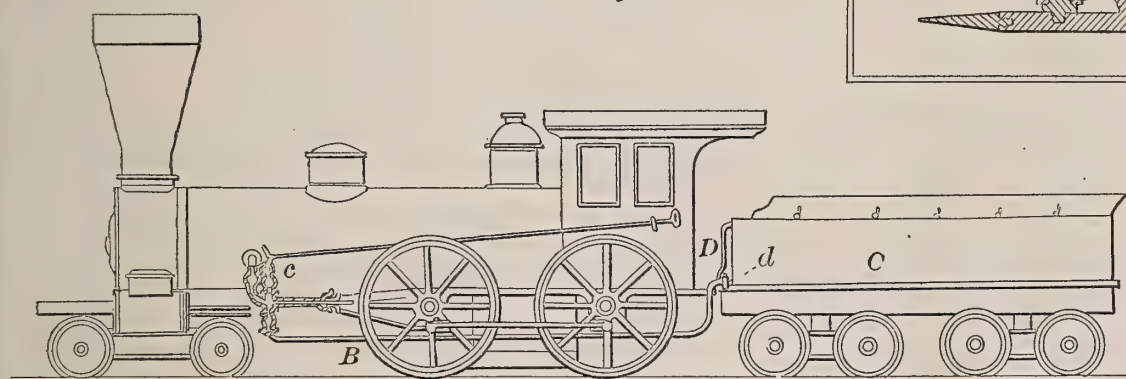
**65948**—H. E. Rile—*For Coating Paper with Mucilage.*



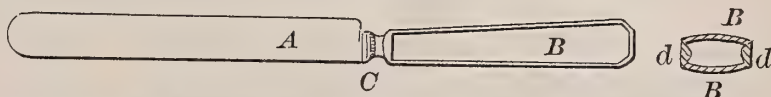
**65949**—H. R. Robbins—*Burglar Alarm.*



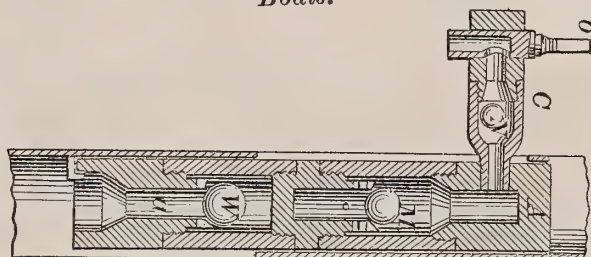
**65951**—Samuels & Brassington—*Locomotive Engine.*



**65952**—W. Sanderson—*Cutlery.*



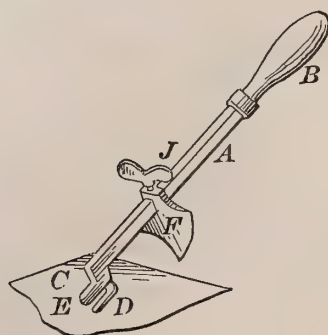
**65953**—P. F. Schenck—*For Supplying Air to Life Boats.*



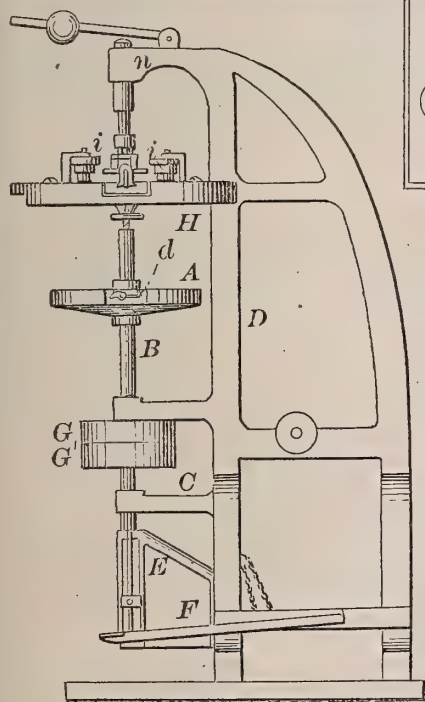
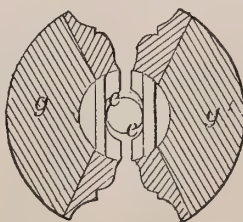
**65955**—F. E. Schmidt—*Ornamental Feather.*



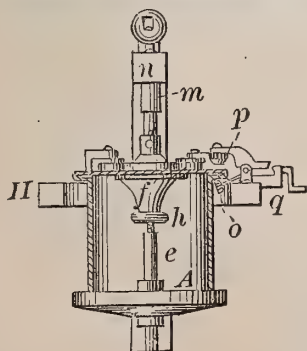
**65957**—F. Seymour—*For Opening Sheet Metal Cans.*



**65954**—F. Schmidt—*Wood Planing Machine.*

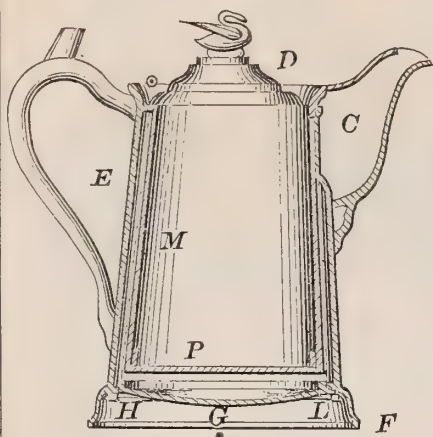


**65950**—J. Rupp—*Double Seaming Machine.*

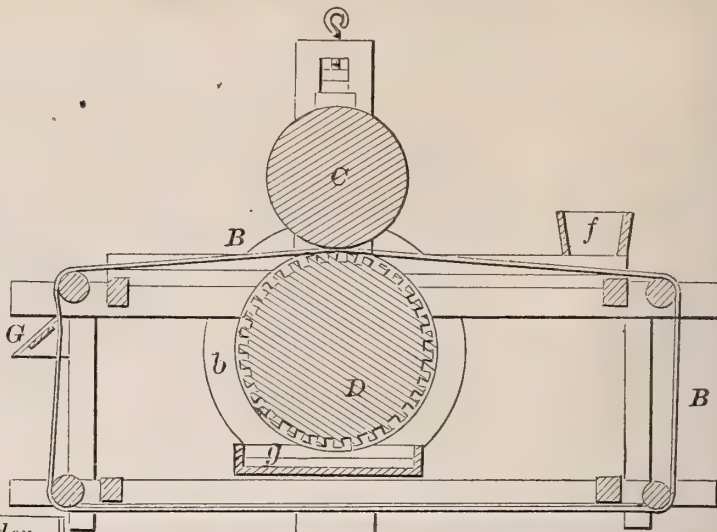




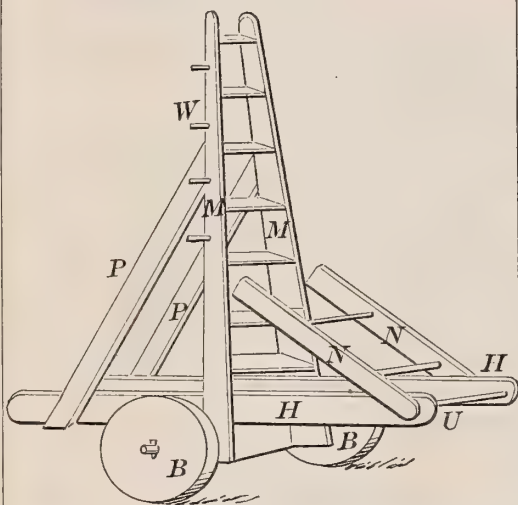
65958—M. Simons—*Ice Pitcher.*



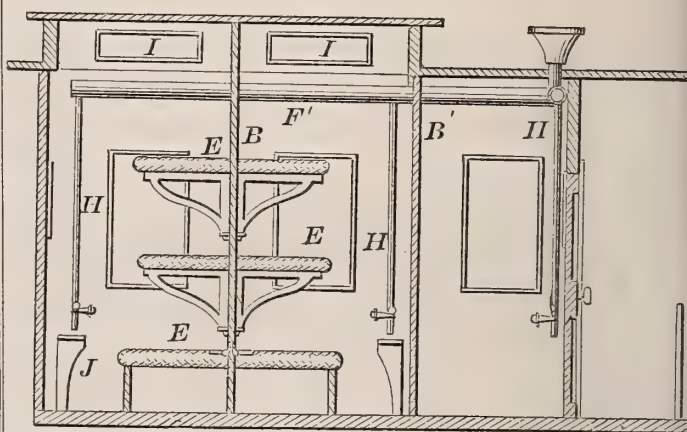
65962—Stoddard & Gallup—*Cylinder Press.*



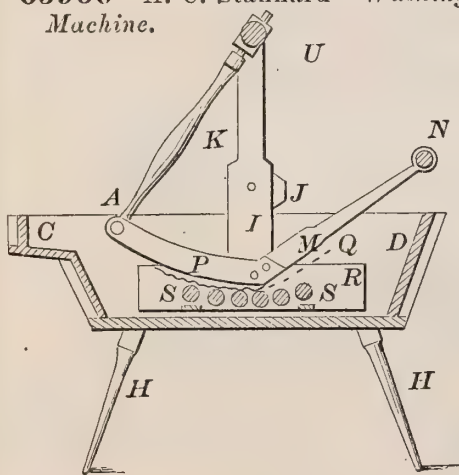
65959—D. C. Smith—*Fruit Ladder.*



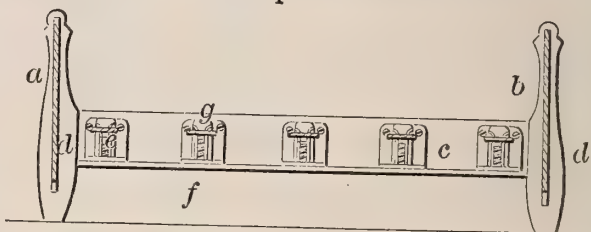
65963—J. Swan—*Sleeping Car.*



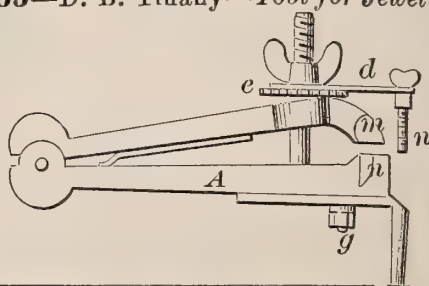
65960—A. C. Stannard—*Washing Machine.*



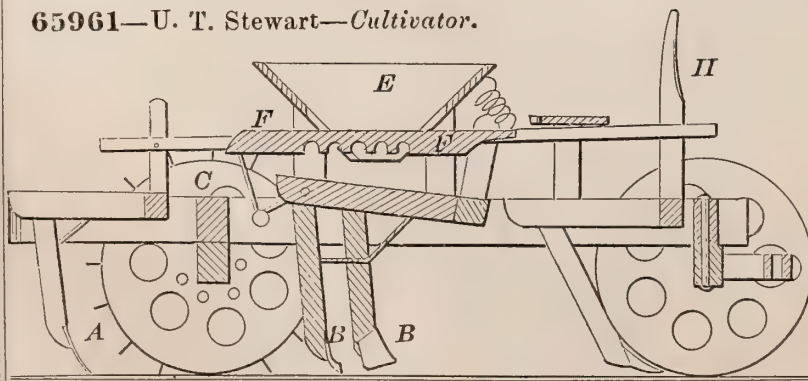
65964—T. P. Thompson—*Bed Bottom.*



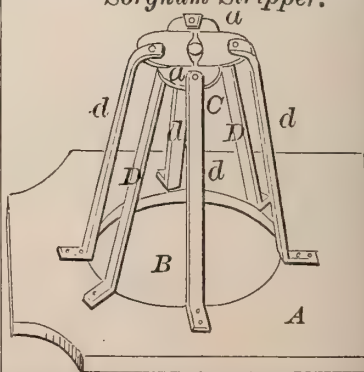
65965—D. B. Tiffany—*Tool for Jeweling Watches.*



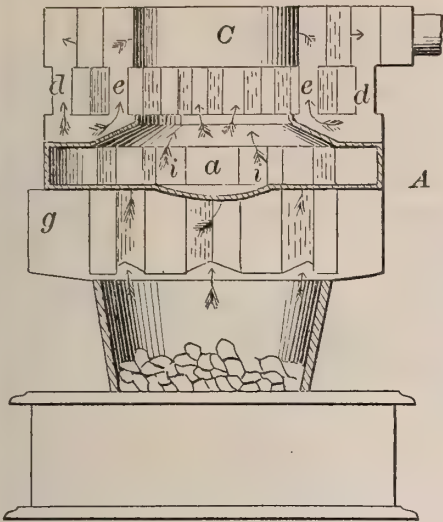
65961—U. T. Stewart—*Cultivator.*



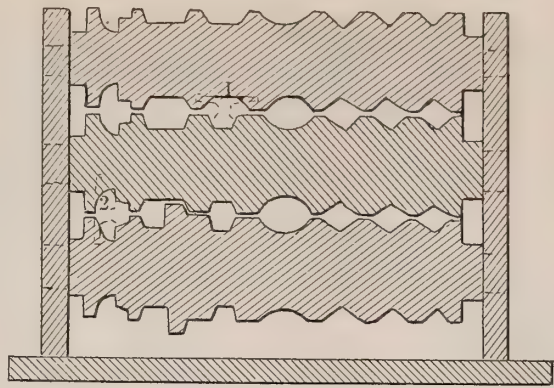
65966—G. Tollinger—*Sorghum Stripper.*



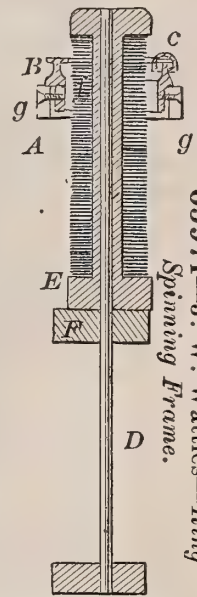
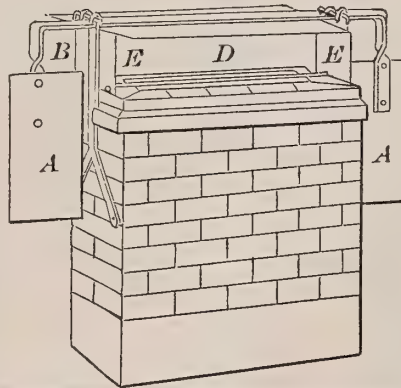
65967—C. W. Trotter—Furnace.



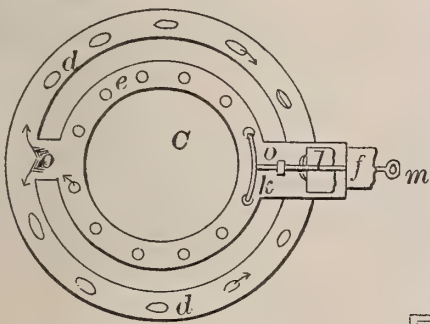
65968—Verree & Mitchell—Roller for Rolling Old Rails.



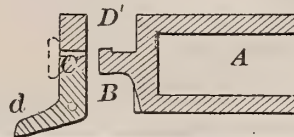
65969—J. A. Waggoner—Chimney Cowl.



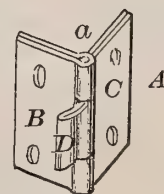
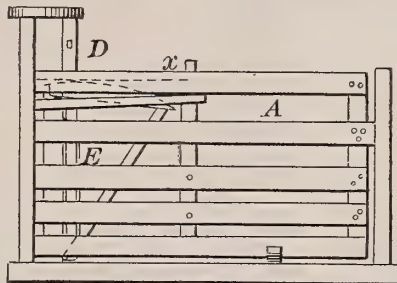
65971—J. W. Wattles—Ring Spinning Frame.



65970—J. B. Wardwell—Bedstead Fastening.

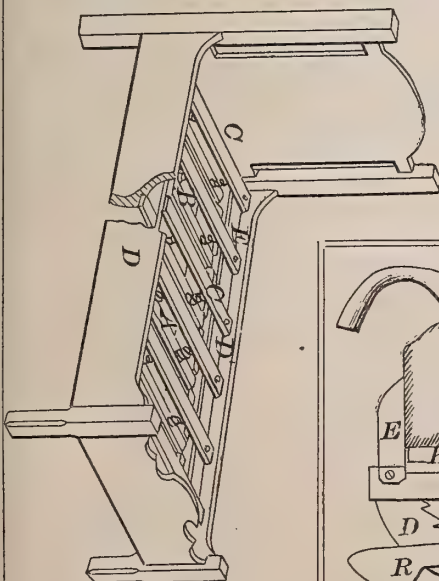


65974—S. H. Wheeler—Gate.



65972—W. Webb—Hinge for Lamp Burners.

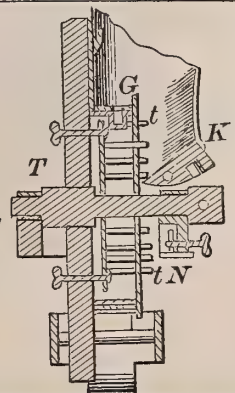
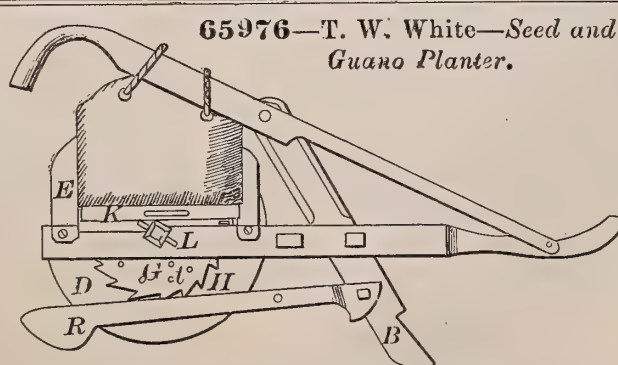
65975—C. W. White—Bed Bottom.



65977—Whiteley, Fassler & Kelly—Harvester Guard Finger.

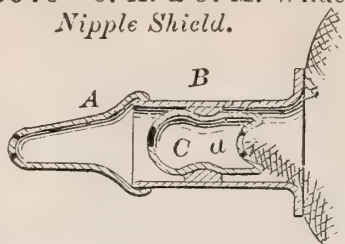


65976—T. W. White—Seed and Guano Planter.

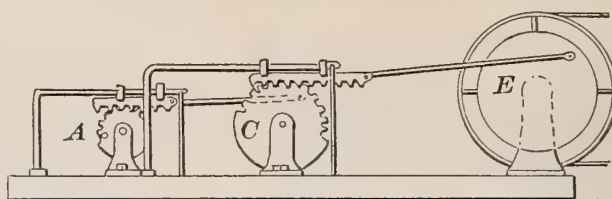




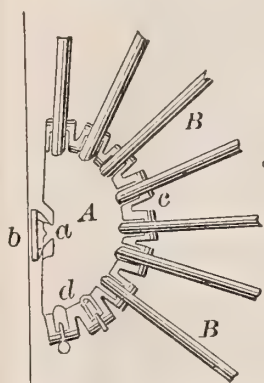
65978—C. H. & J. M. Wilder—*Nipple Shield.*



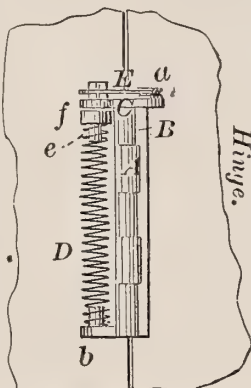
65981—A. B. Wood—*Mechanical Power.*



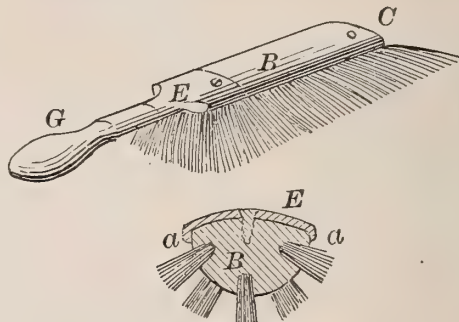
65879—H. Willard—*Clothes Dryer.*



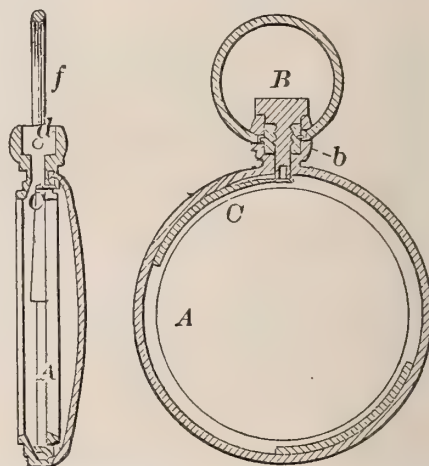
65980—A. Wiswall—*Spring Hinge.*



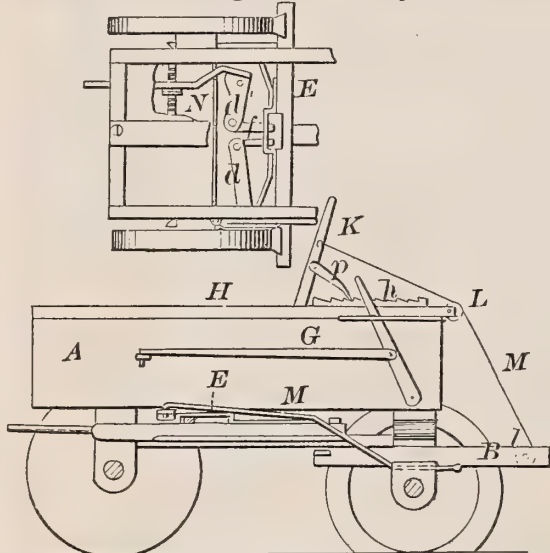
65982—E. J. Worcester—*Brush.*



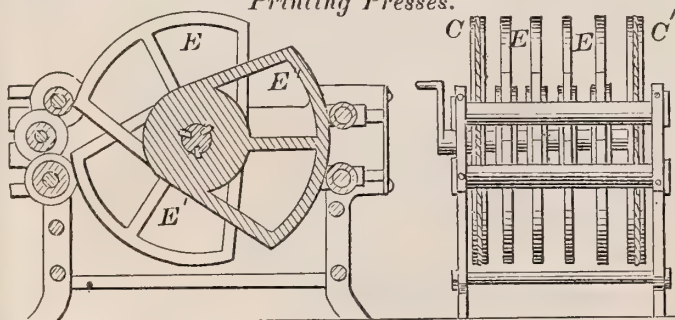
65985—C. V. Woerd—*Winding Watch.*



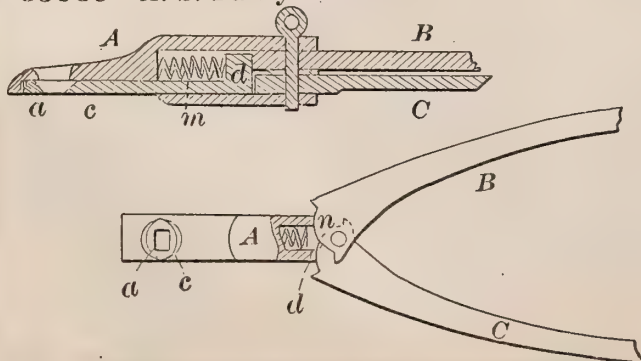
65983—G. S. Ziegenfuss—*Wagon Brake.*



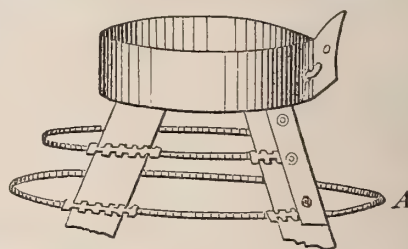
65984—G. W. Wood—*Inking Apparatus for Printing Presses.*



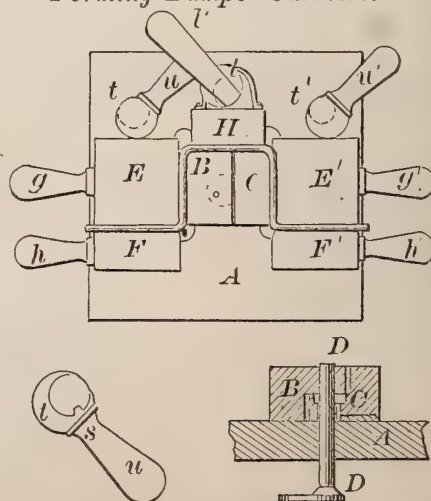
65989—A. S. Bailey—*Bolt Cutter.*



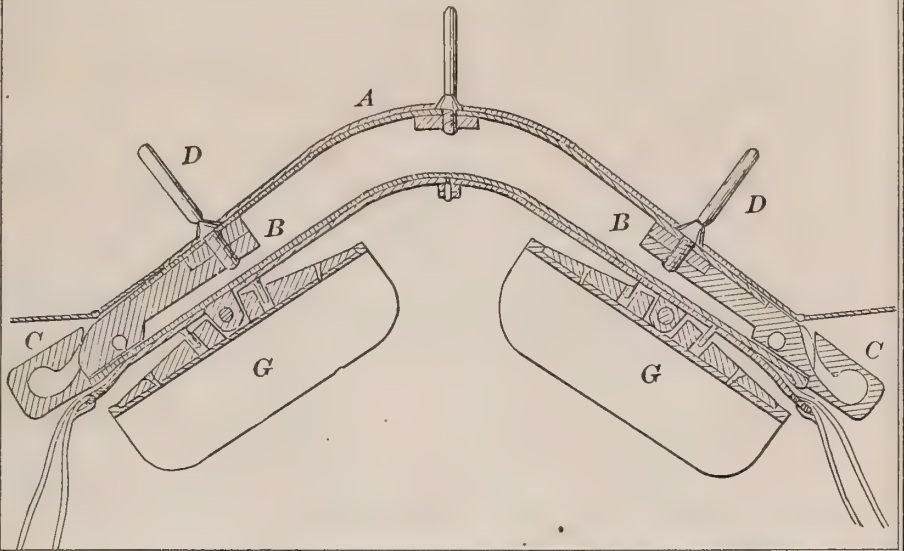
65986—A. Trager—*Hoop Skirt.*



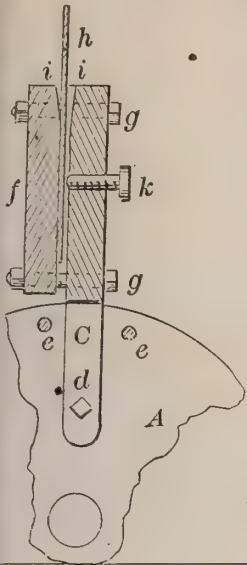
65987—W. C. Allison—*For Forming Bumper Carriers.*



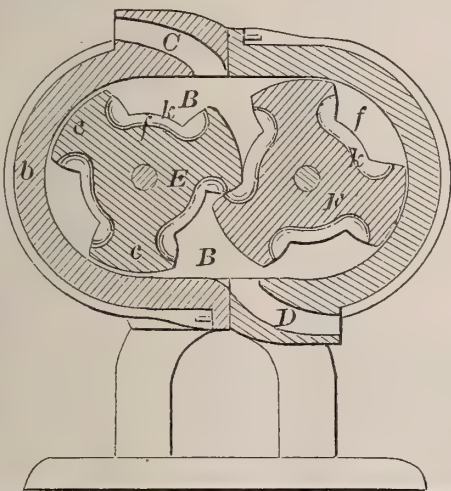
65995—V. Borst—*Harness Saddle.*



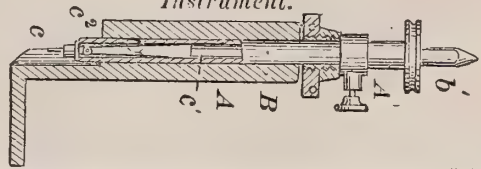
65990—R. P. Bailey—*For Dressing Marble.*



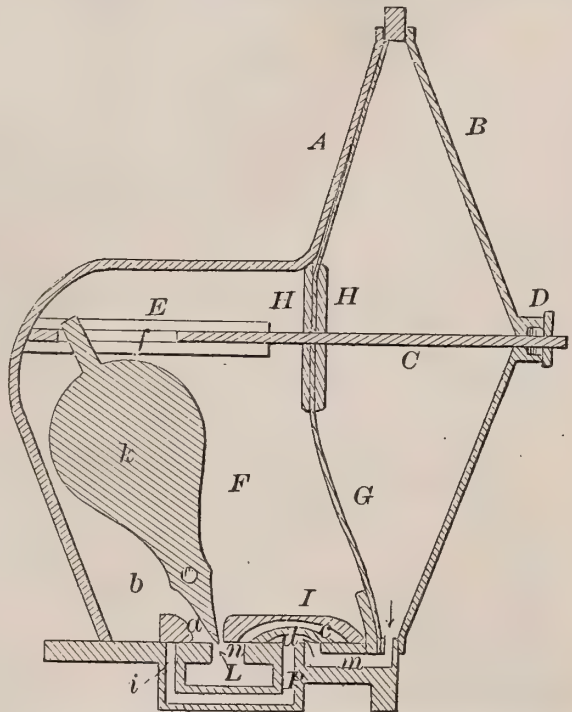
65992—J. A. Bazin—*Rotary Pump.*



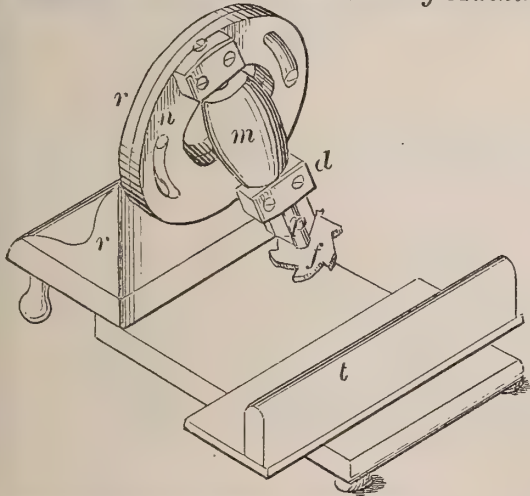
65991—Barnum & Schreiber—*Drilling Instrument.*



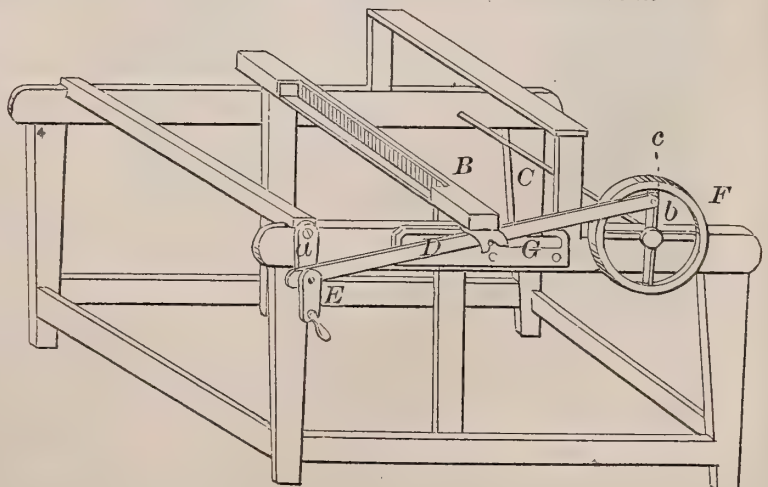
65994—Blakeslee & Hunter—*Water Meter.*



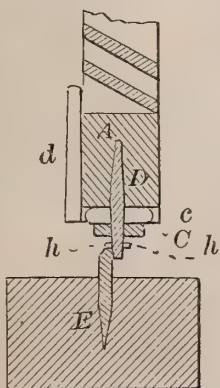
65996—S. C. Brown—*Mortising Machine.*



65997—J. D. Browne—*Hand Loom.*

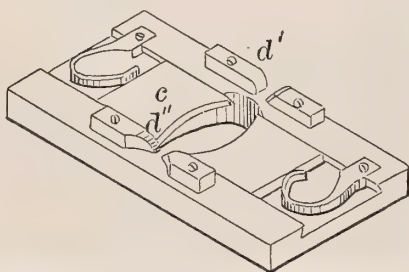
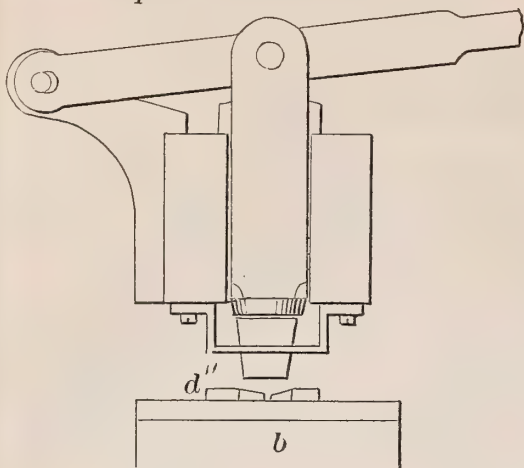


65993—A. Bingham—*Blind Fastener.*

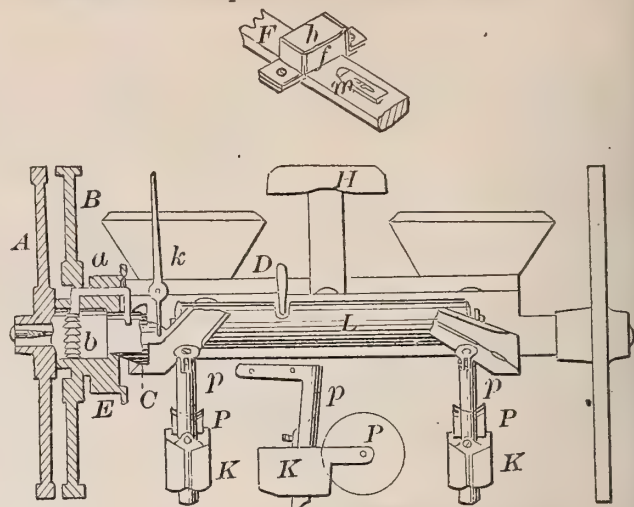




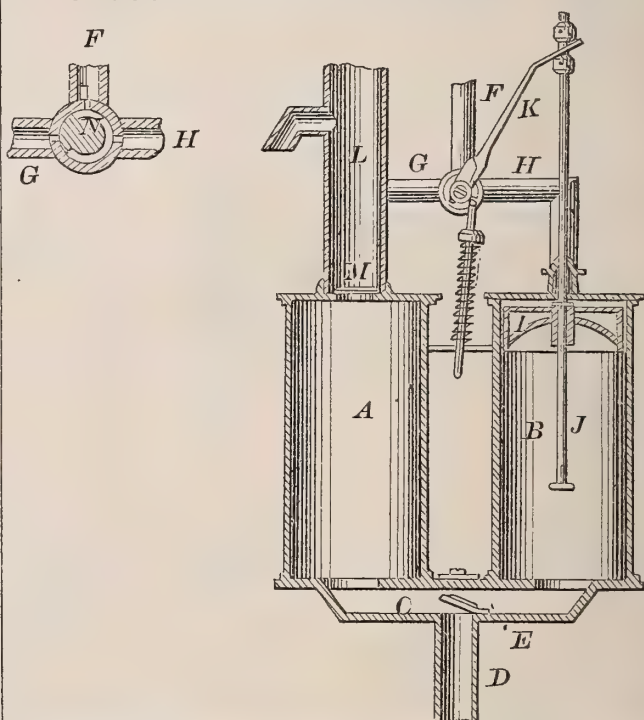
**65998**—C. Buckley—*For Forming Spectacle Frames.*



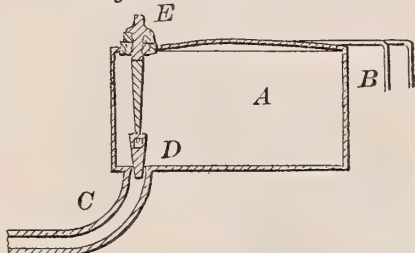
**66002**—Camp & Fox—*Corn Planter.*



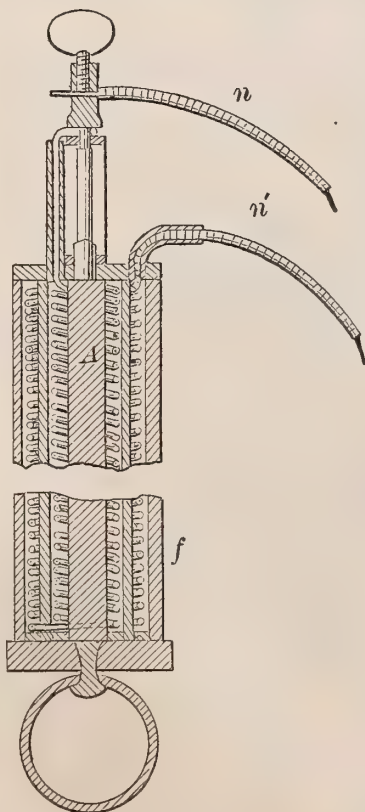
**66000**—M. Burton—*Steam Water Elevator.*



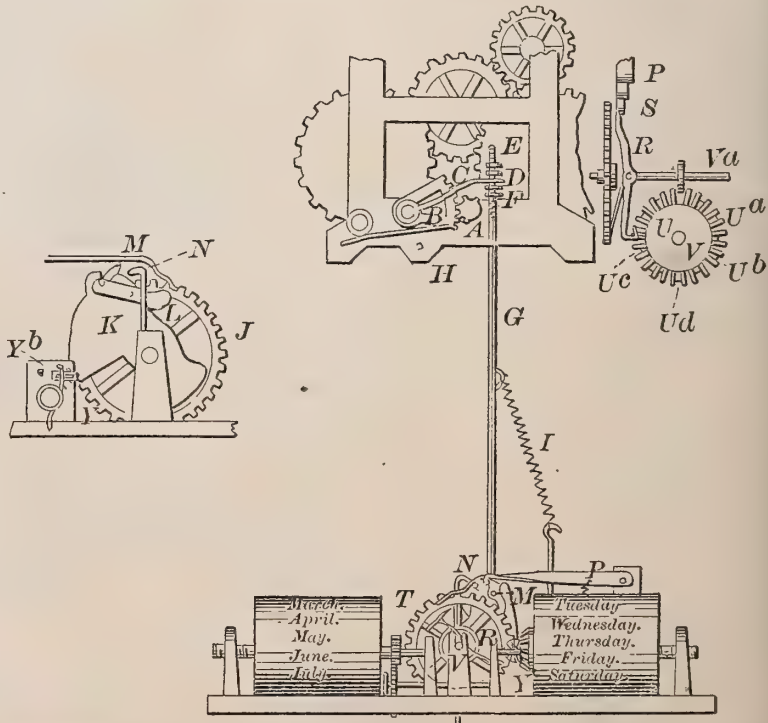
**65999**—Burke & Wright—*Treating Hydro-Carbon Oils.*



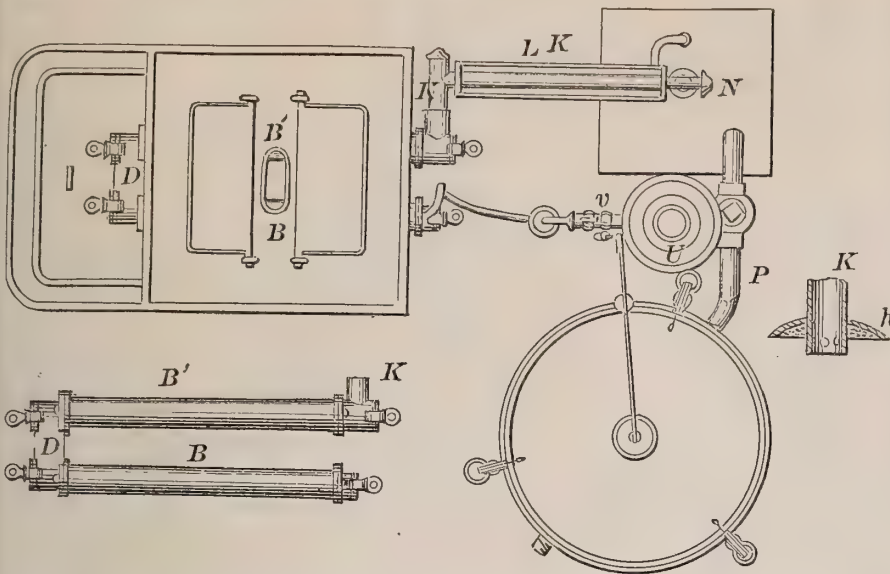
**66001**—S. G. Cabell—*Electro Magnet.*



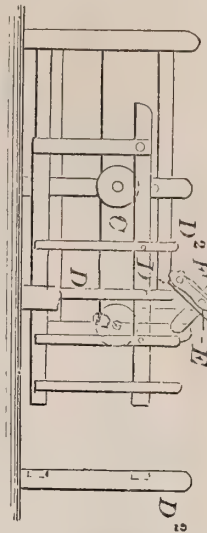
**66003**—Clinton & Mood—*Calendar Clock.*



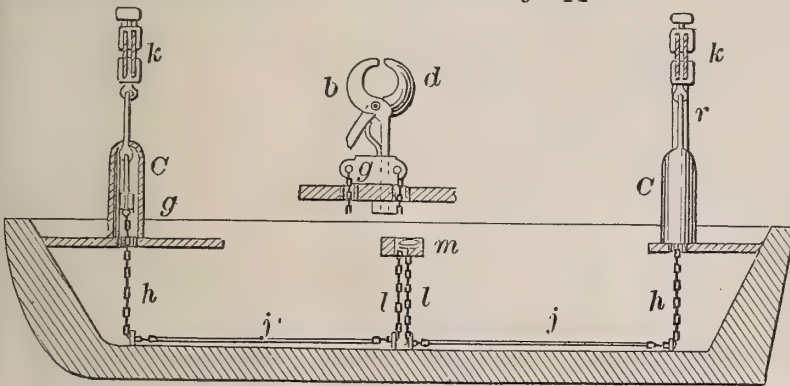
66004—C. Deavs—*Gas Apparatus.*



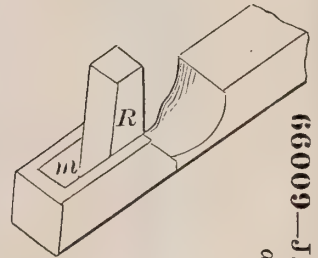
66008—J. W. Epperson—*Farm Gate.*



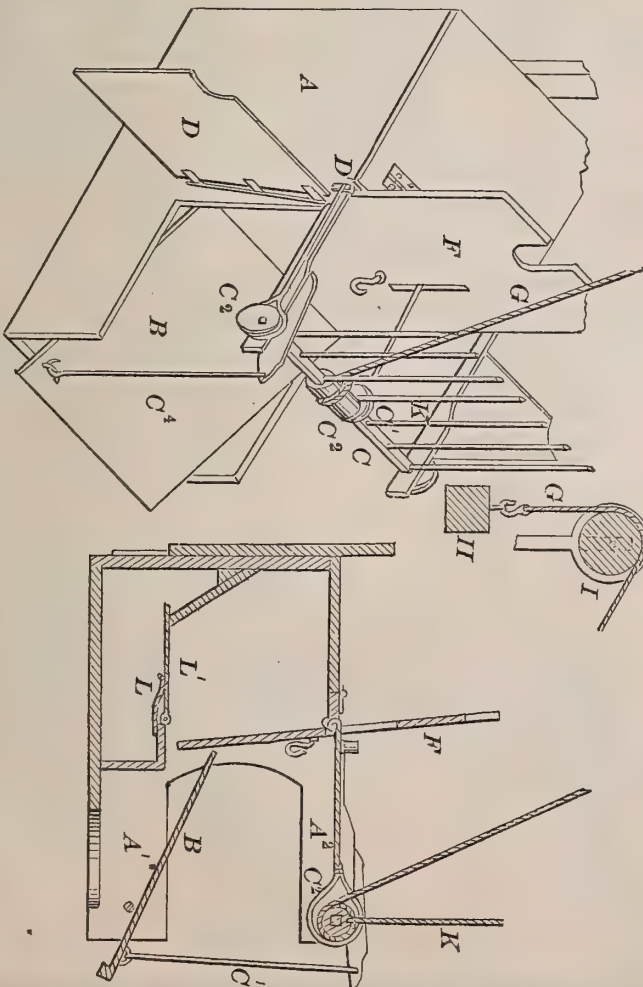
66006—W. A. Devon—*Boat Detaching Apparatus.*



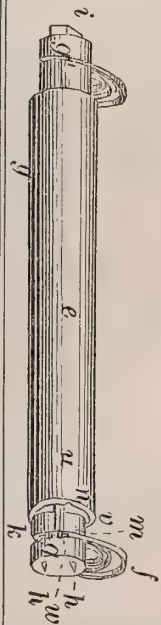
66009—J. S. Farnsworth—*Die for Sweeping and Punching Wrench Jaws.*



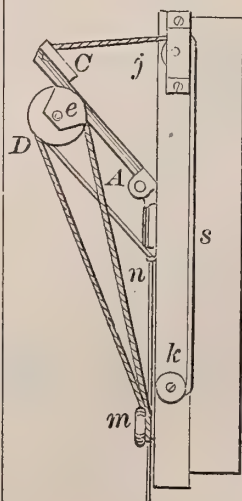
66007—J. P. Emswiler—*Animal Trap.*



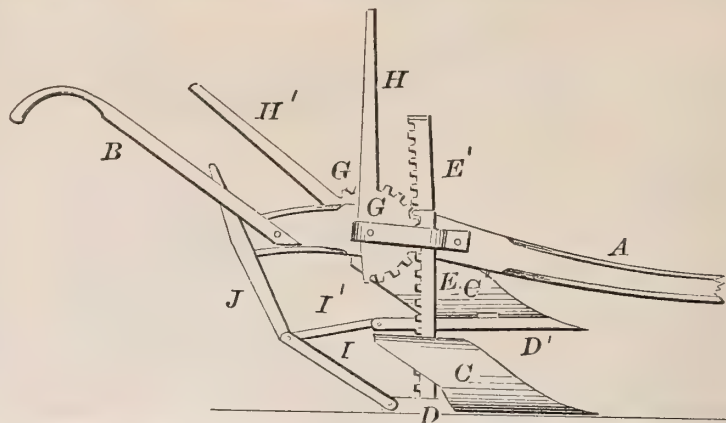
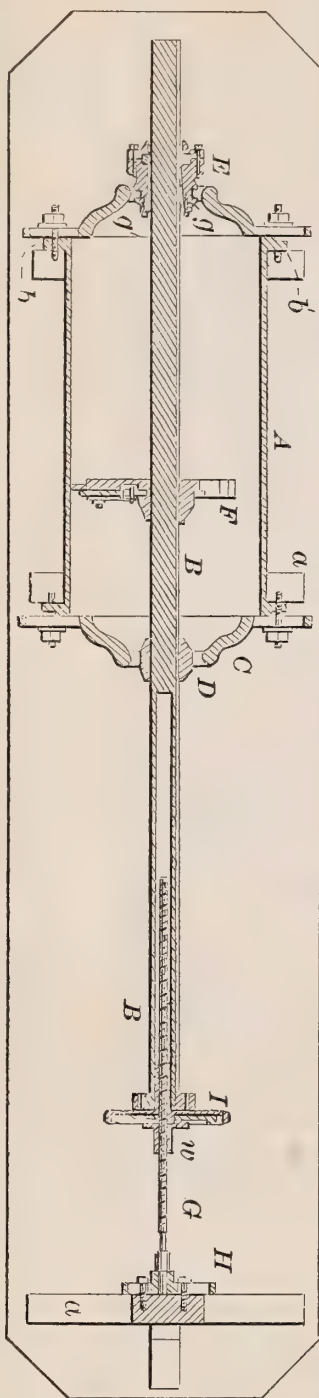
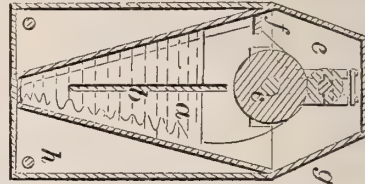
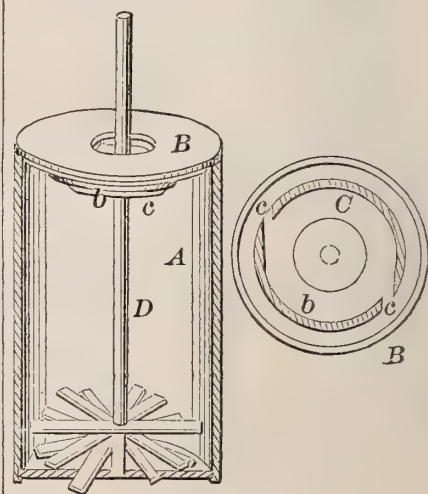
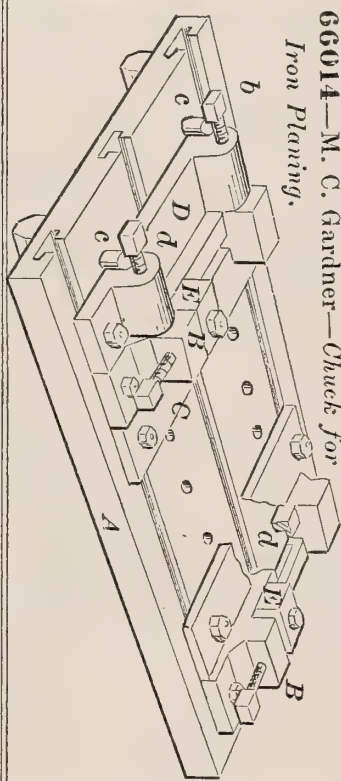
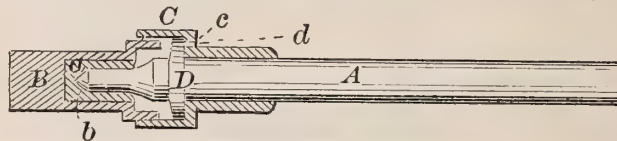
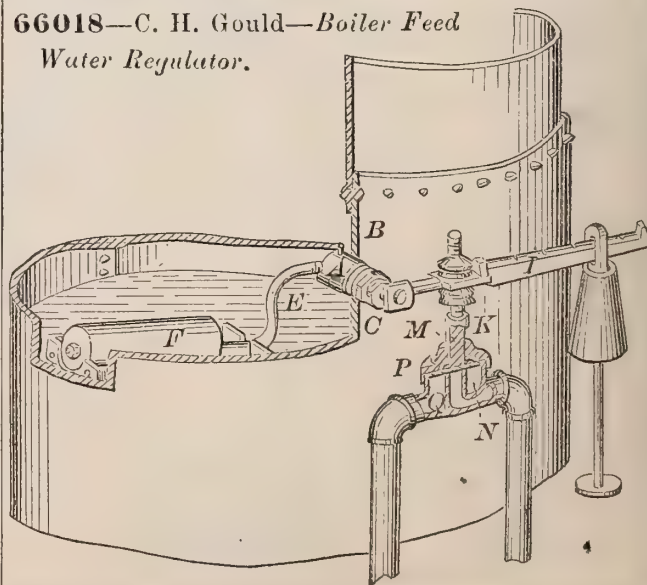
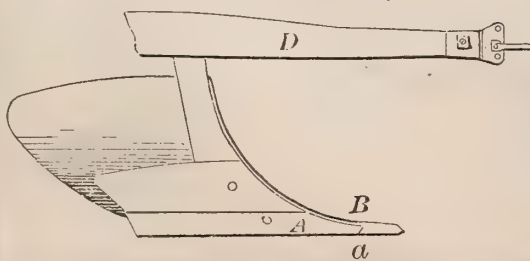
66005—R. G. & L. B. Dennett—*Window Screen.*



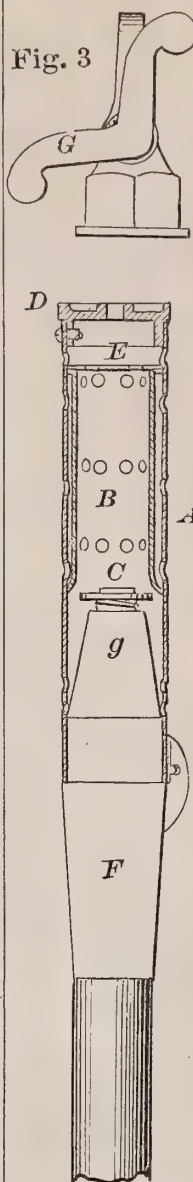
66010—M. B. Fenton—*Curtain Fixture.*



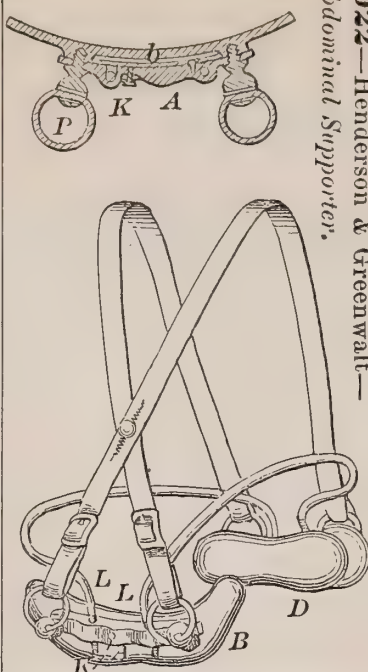


66012—P. H. Flansburgh—*Side Hill Plow.*66011—L. B. Flanders—*For Boring Cylinders.*66013—J. B. Fuller—*Bleaching.*66015—J. C. Gaston—*Churn.*66014—M. C. Gardner—*Chuck for Iron Planing.*66017—A. H. Gilman—*Spindle for Spinning.*66018—C. H. Gould—*Boiler Feed Water Regulator.*66016—L. Gibbs—*Plow.*

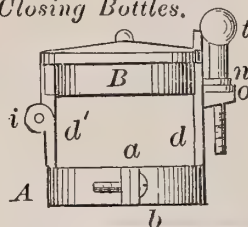
66021—W. E. Heath—Torch for Lighting Gas.



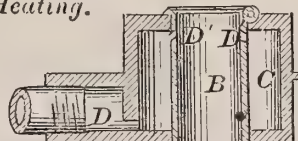
66022—Henderson & Greenwall—Abdominal Supporter.



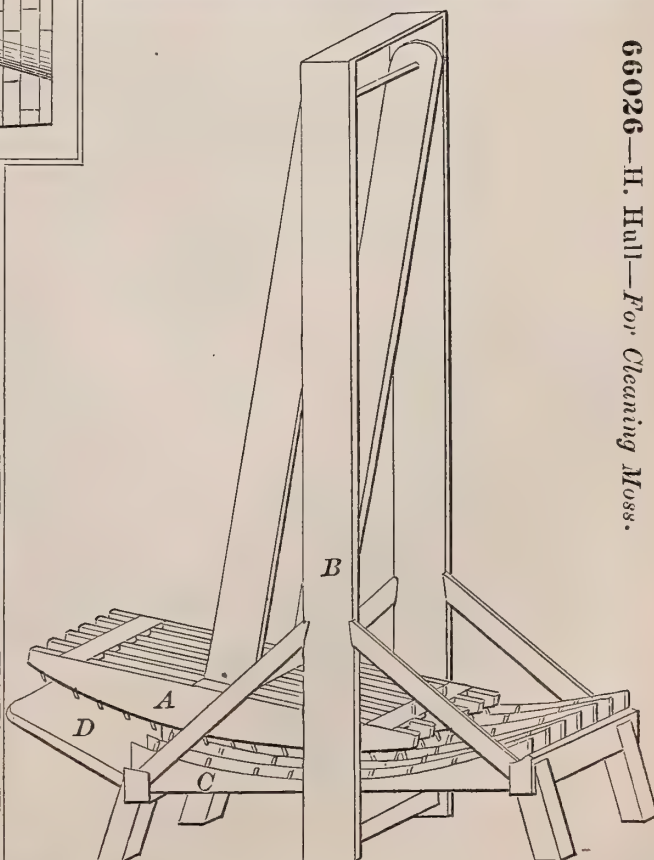
66023—C. Herman—For Closing Bottles.



66025—D. L. Holden—Petroleum Gas Burner for Heating.



66026—H. Hall—For Cleaning Moss.



66019—W. Hanson—Sorghum Evaporator.

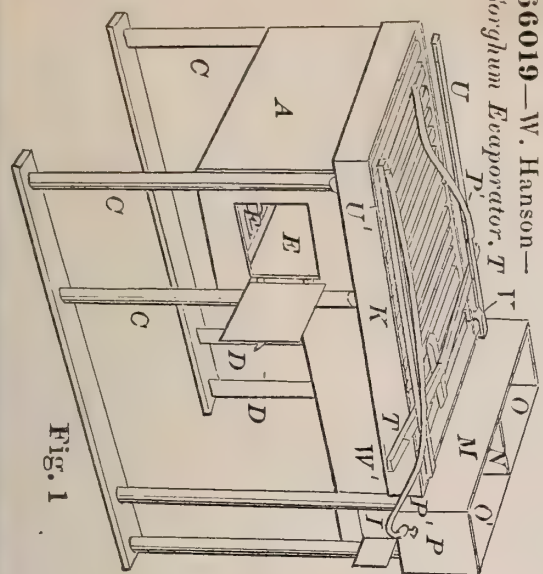
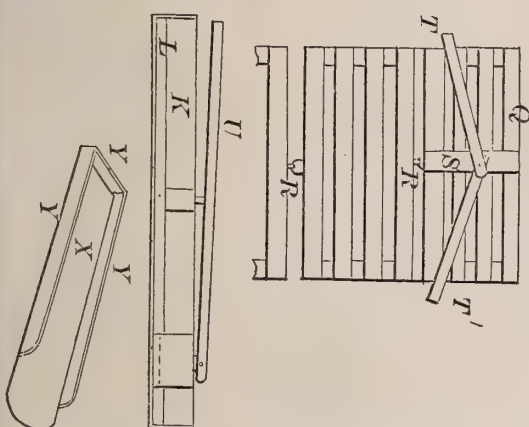
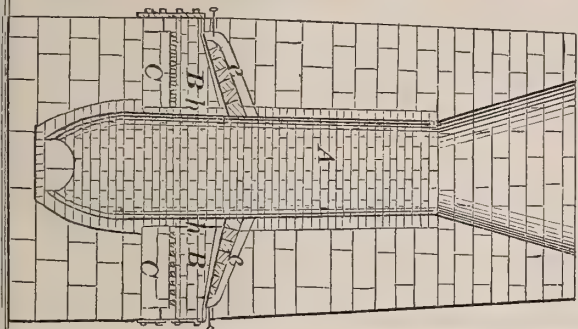


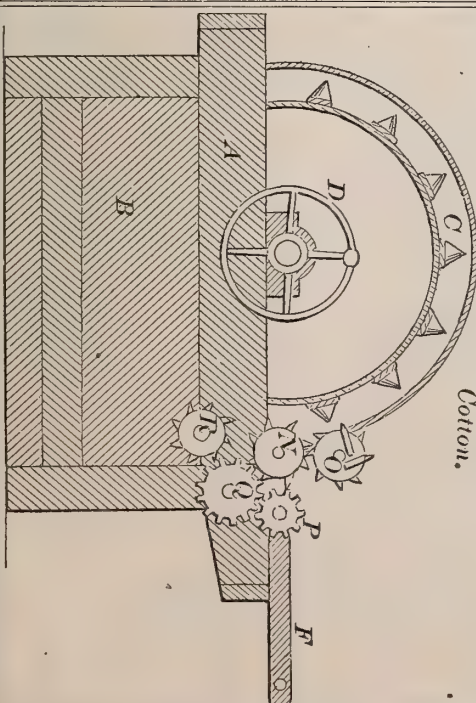
Fig. 1



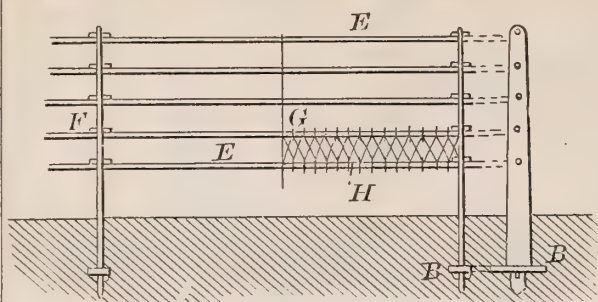
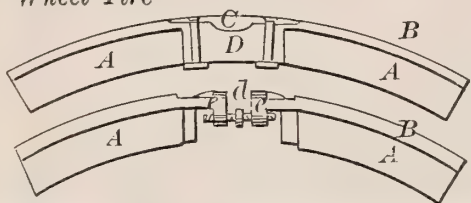
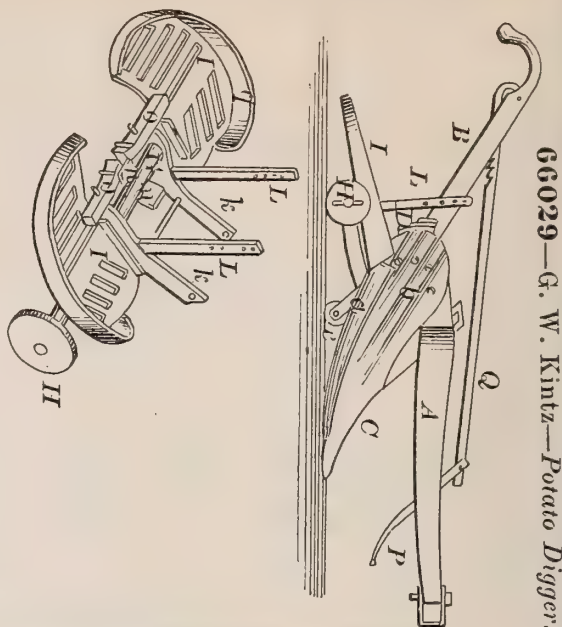
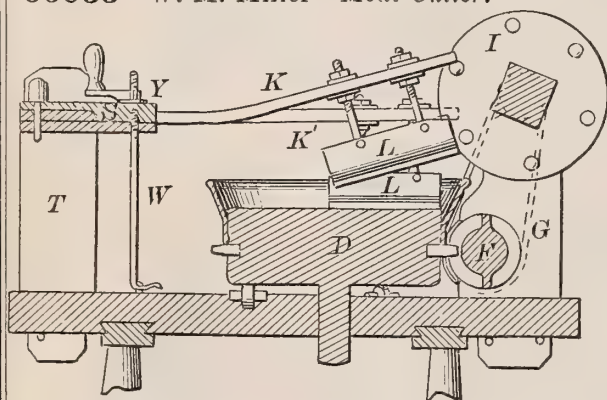
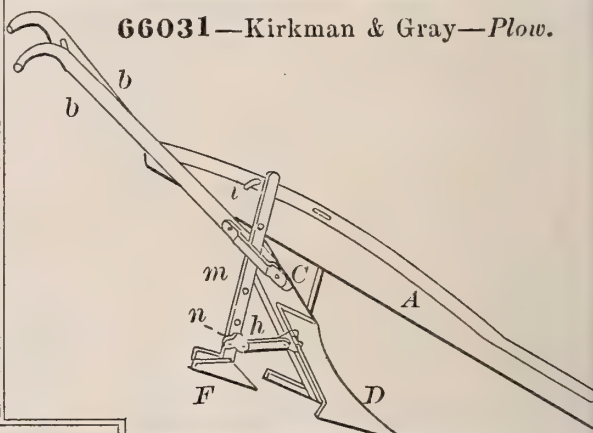
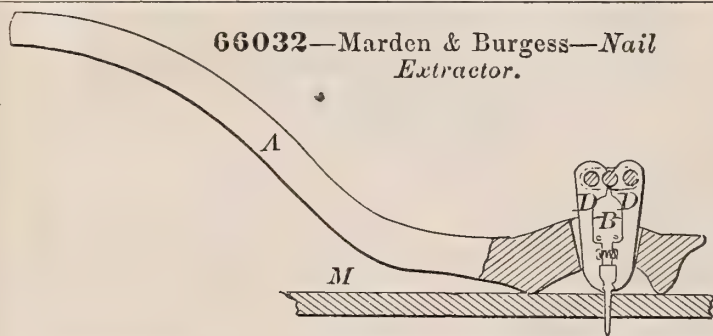
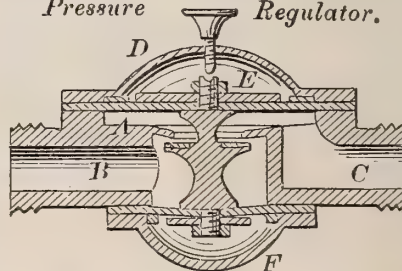
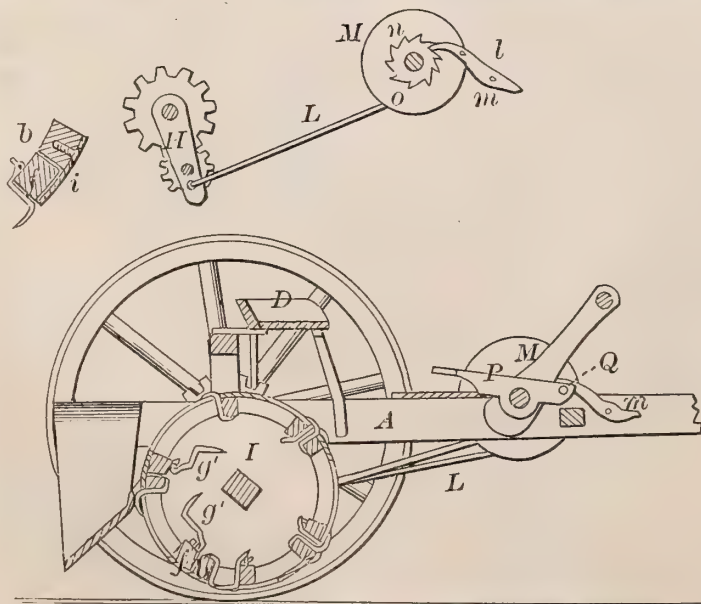
66024—C. Hinkley—Lime Kiln.



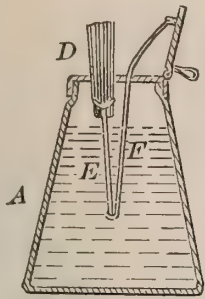
66020—D. Harding—For Beating and Picking Cotton.



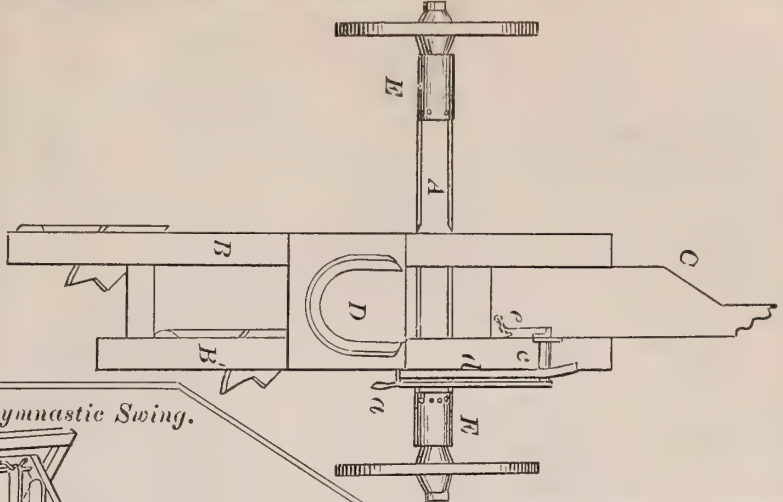


**66027**—M. Ingersoll—*Field Fence.***66030**—Kirkman & Gray—*Adjustable Wheel Tire***66033**—W. M. Miller—*Meat Cutter.***66029**—G. W. Kintz—*Potato Digger.***66031**—Kirkman & Gray—*Plow.***66032**—Marden & Burgess—*Nail Extractor.***66028**—I. Judson—*Hydraulic Pressure Regulator.***66034**—S. W. Moore—*Bean Pulver.***66035**—D. C. Mowrey—*Boot Crimper.*

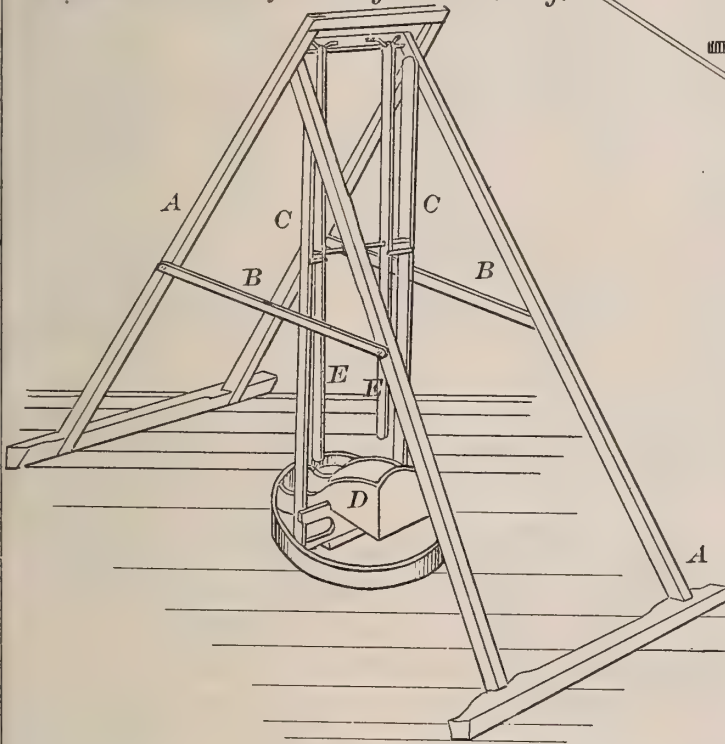
**66036**—A. M. Olds—*Mucilage Bottle.*



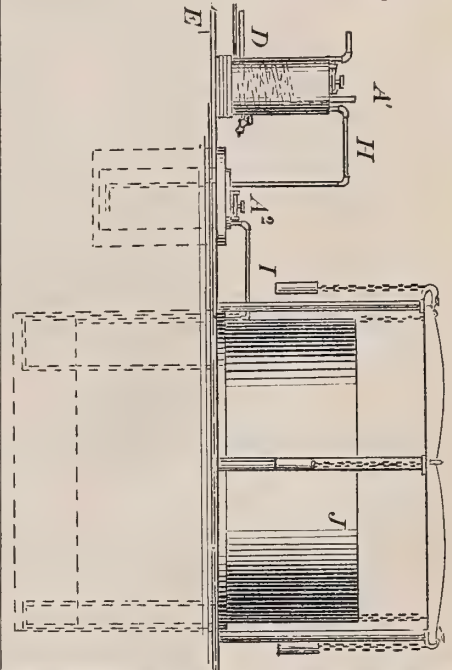
**66039**—J. C. Pfeil—*Gang Plow.*



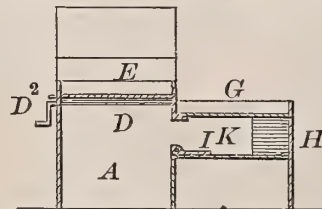
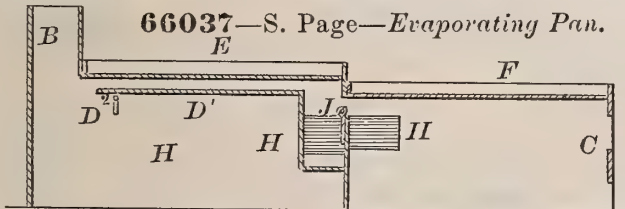
**66038**—A. P. Payson—*Gymnastic Swing.*



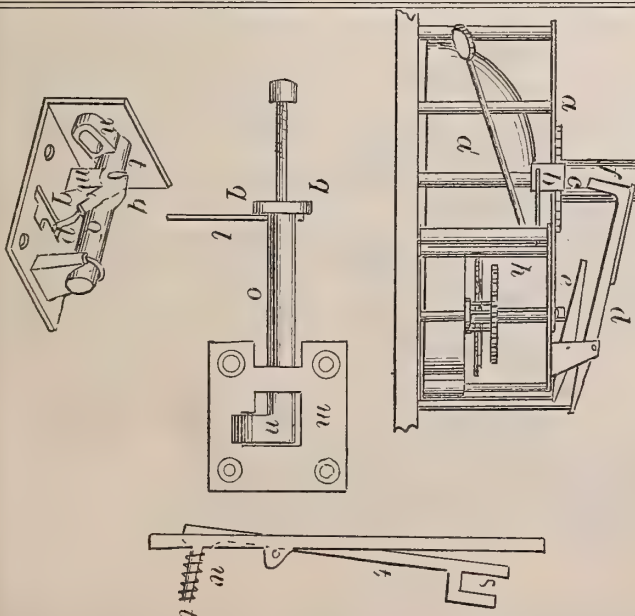
**66041**—A. C. Rand—*Making Gas.*



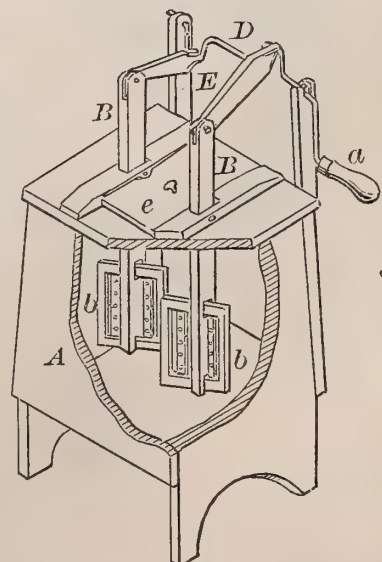
**66037**—S. Page—*Evaporating Pan.*



**66040**—C. E. Pierce—*Burglar Alarm.*

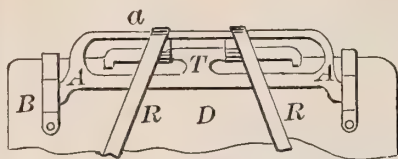


**66042**—J. H. Roundey—*Churn.*

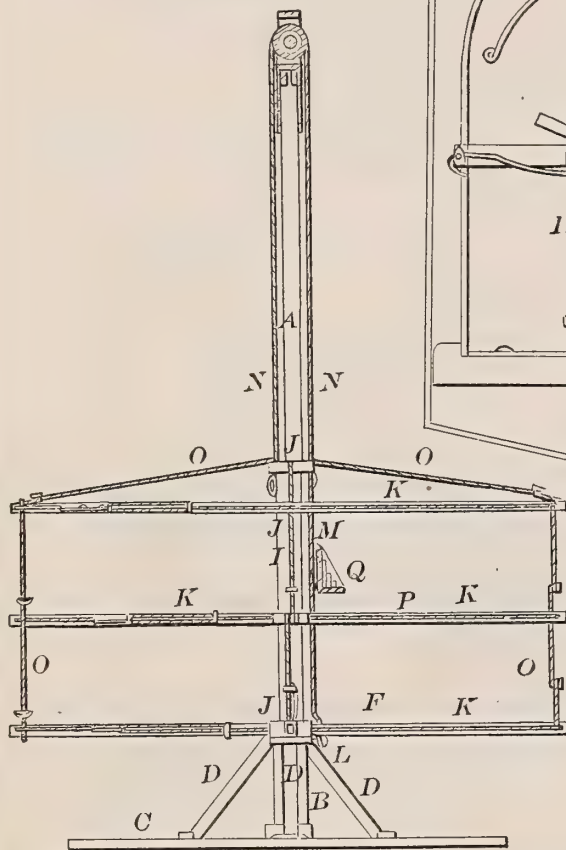




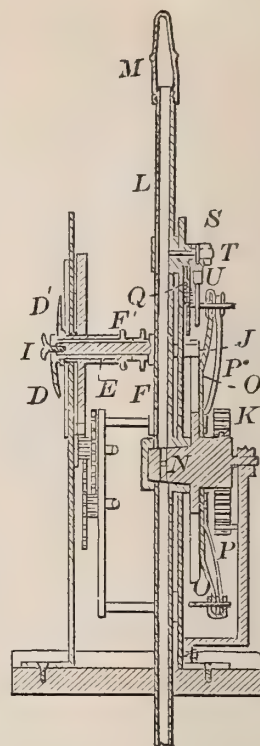
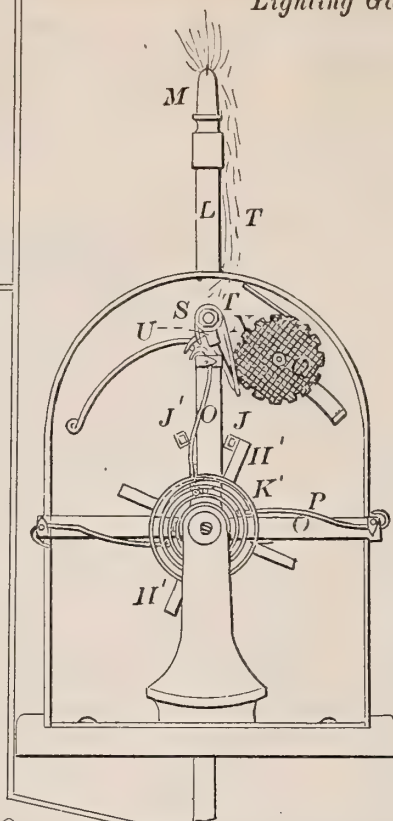
**66043**—J. S. Russ—*Rein Holder.*



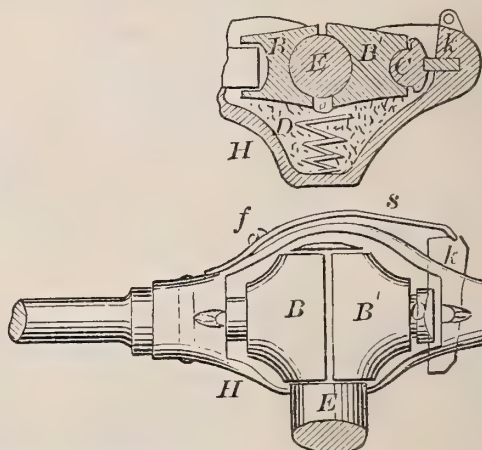
**66045**—E. D. Sanford—*Clothes Dryer.*



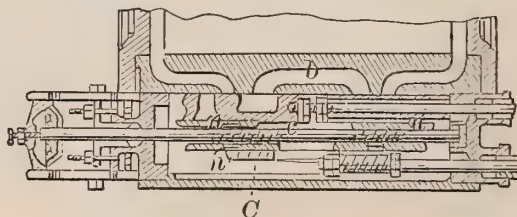
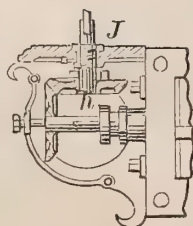
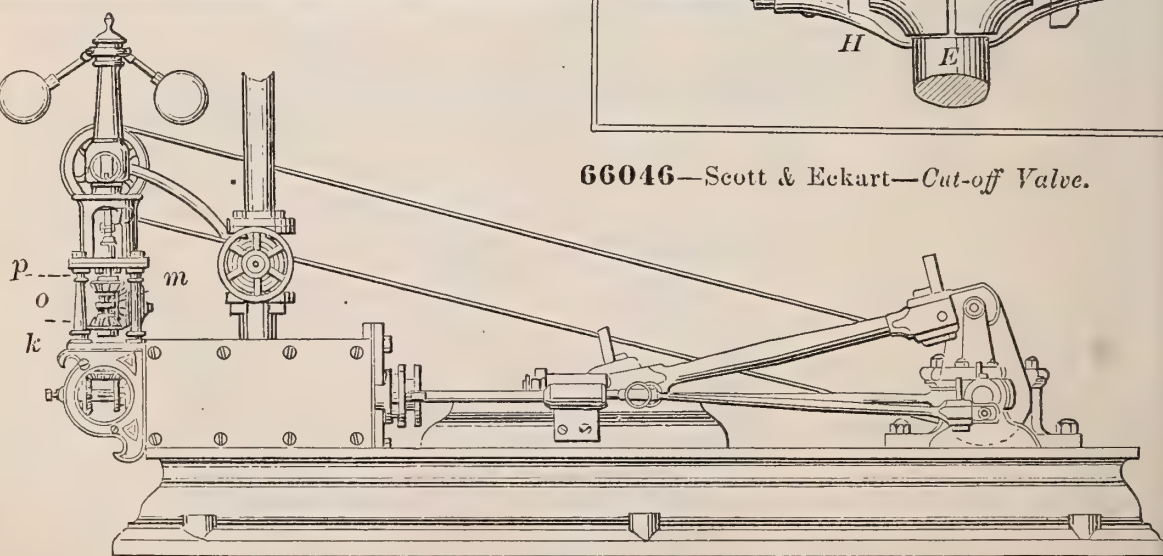
**66044**—E. P. Russell—*Automatic Apparatus for Lighting Gas.*



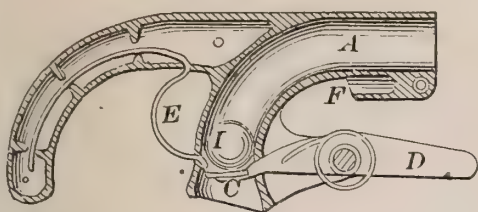
**66047**—T. C. Sebring—*Harvester Pitman.*



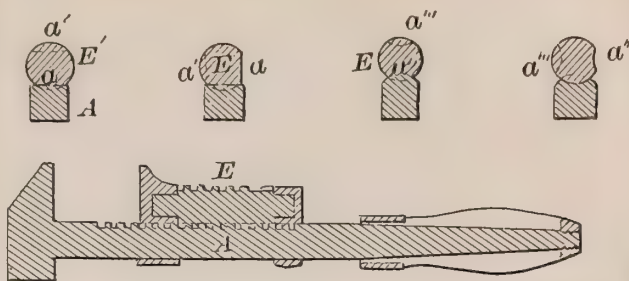
**66046**—Scott & Eckart—*Cut-off Valve.*



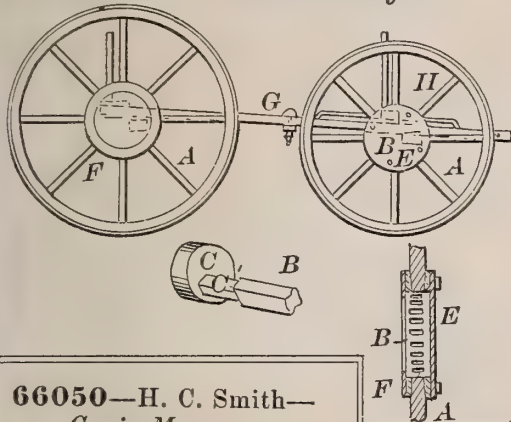
**66048**—Sherwood & Fitzgerald—*Toy Pistol.*



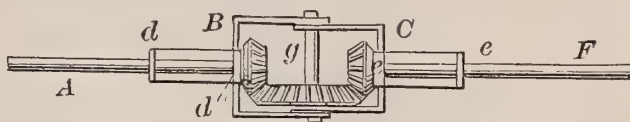
**66051**—I. H. Smith—*Wrench.*



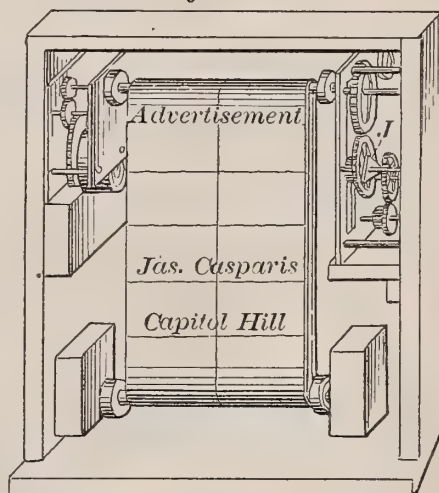
**66049**—S. W. Slocumb—*Wagon.*



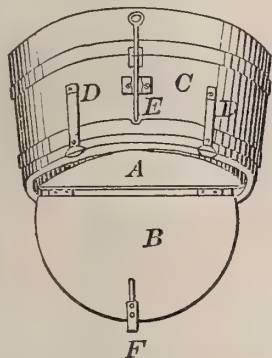
**66052**—R. T. Smith—*Universal Joint.*



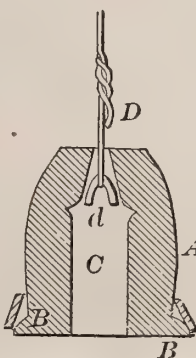
**66055**—I. W. Sylvester—*Advertising Machine.*



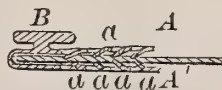
**66050**—H. C. Smith—*Grain Measure.*



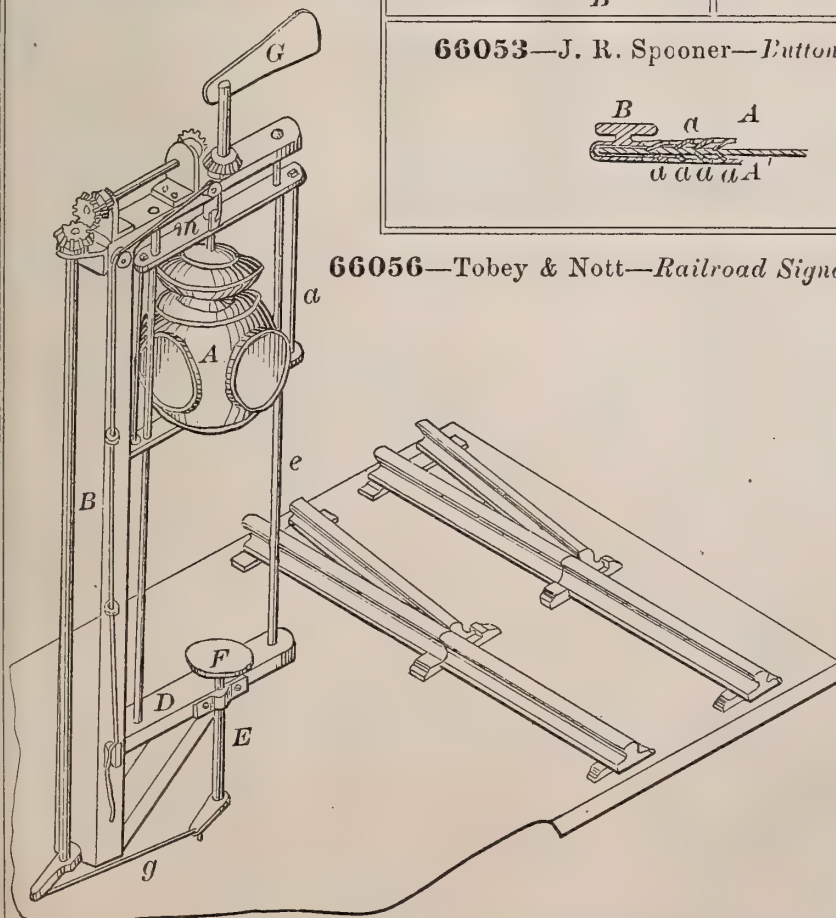
**66054**—D. Stebbins—*Lightning Rod Insulator.*



**66053**—J. R. Spooner—*Button.*



**66056**—Tobey & Nott—*Railroad Signal.*



**66057**—A. M. Tomb—*Bed Bottom.*

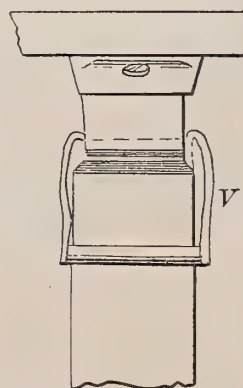
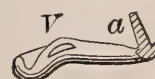
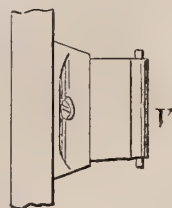
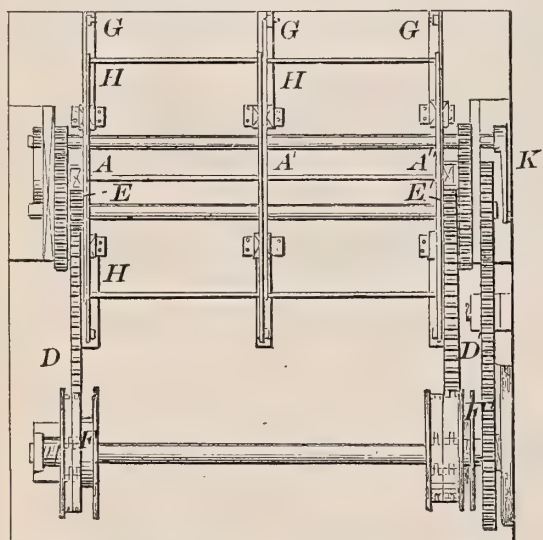
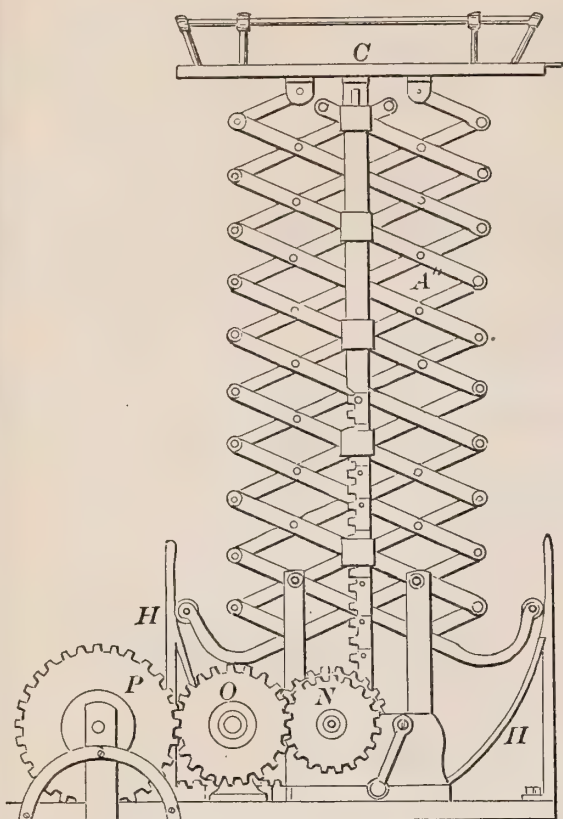
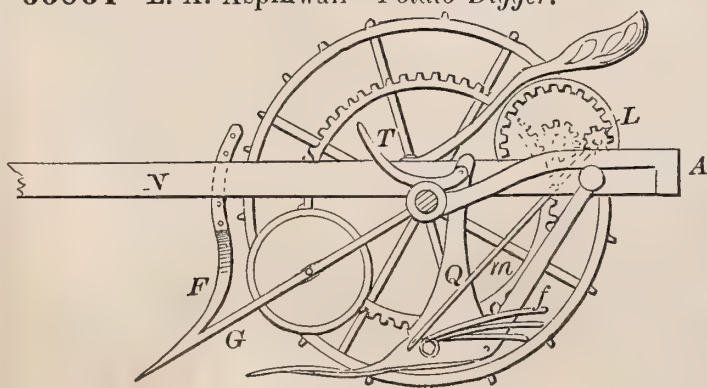
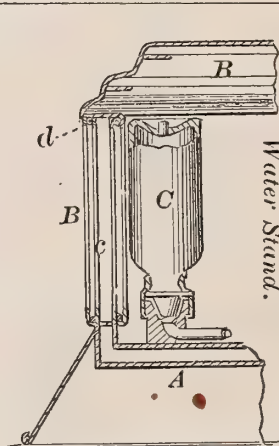
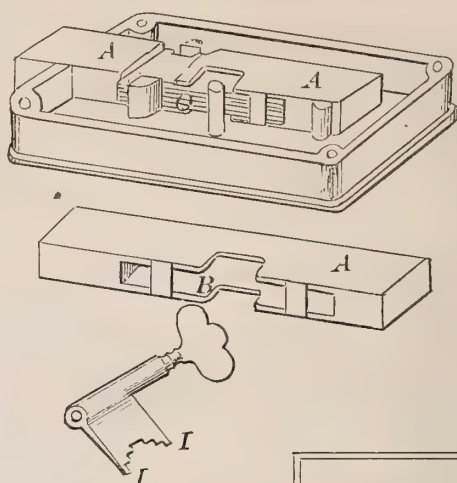
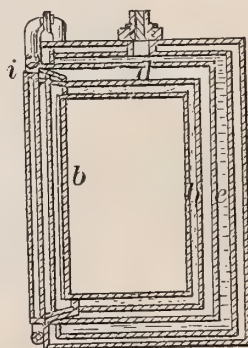
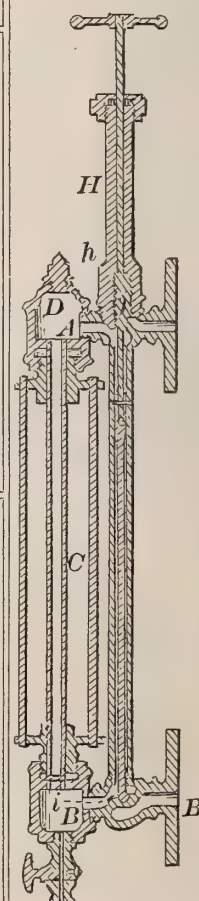
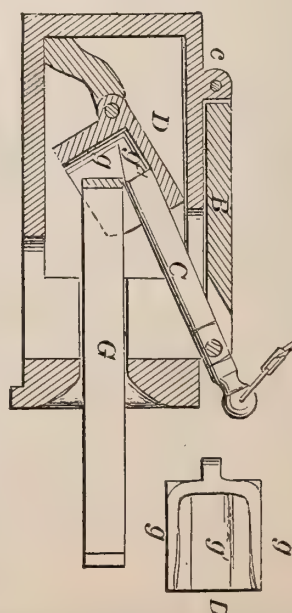


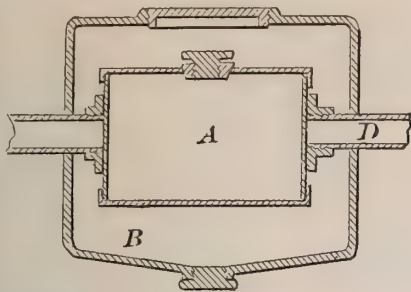
Fig. 3



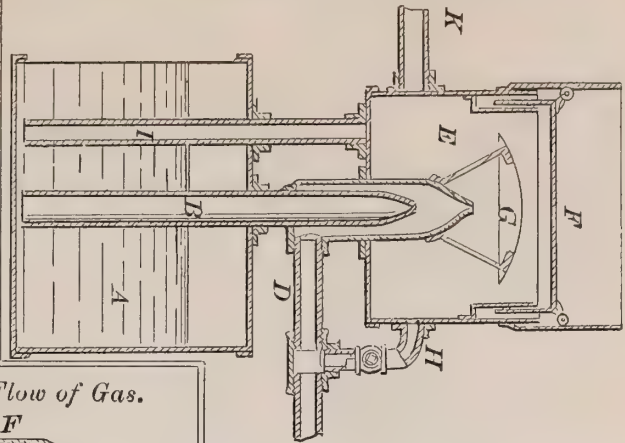


66058—Wagner & Schmid—*Fire Escape.*66064—L. A. Aspinwall—*Potato Digger.*66065—A. Barbarim—*Fastening the Ends of Cotton Ties.*66059—W. P. Wentworth—*Door Lock.*66060—C. M. Whelden—*Soda Water Stand.*66062—E. H. Ashcroft—*Fireproof Safe.*66063—E. H. Ashcroft—*Gauge for Steam Generators.*66061—J. F. Wotring—*Car Coupling.*

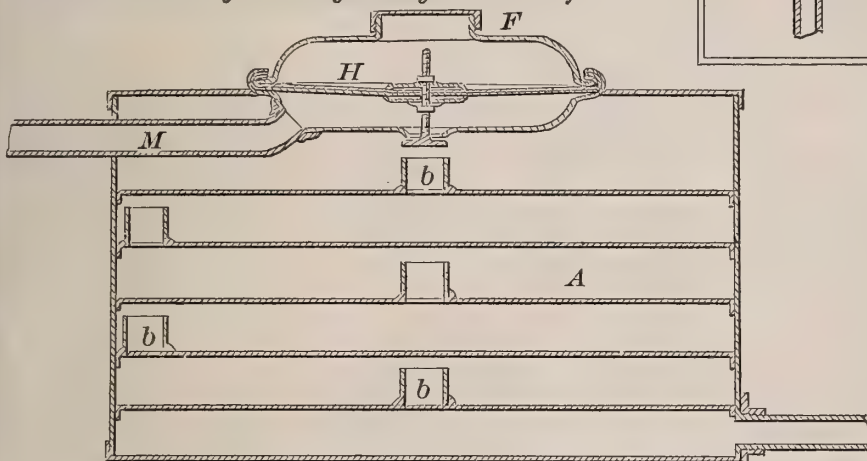
**66066**—J. A. Bassett—*Gas Carburettor.*



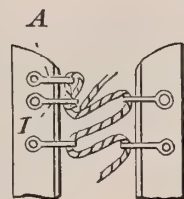
**66069**—J. A. Bassett—*Carburetted Gas.*



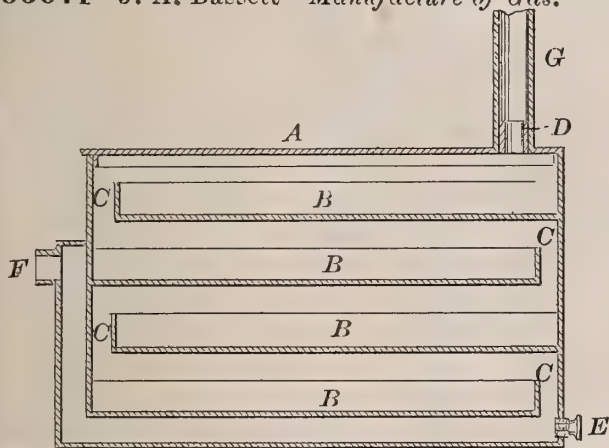
**66067**—J. A. Bassett—*For Carburetted and Regulating the Flow of Gas.*



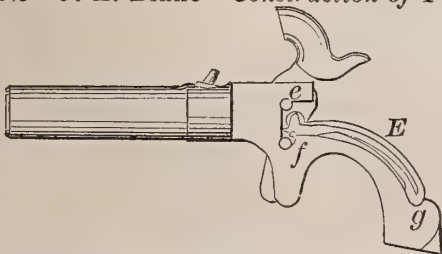
**66073**—W. G. A. Bonwill—*Shoe String Fastener.*



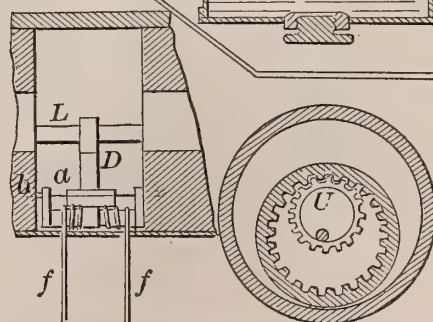
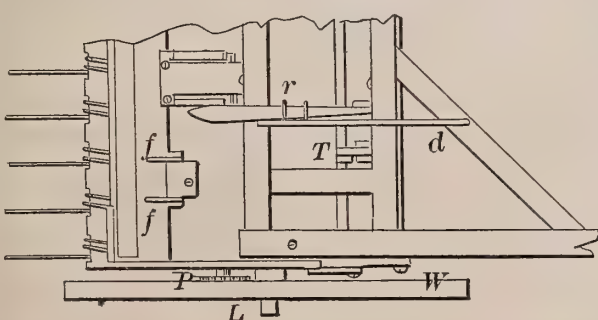
**66071**—J. A. Bassett—*Manufacture of Gas.*



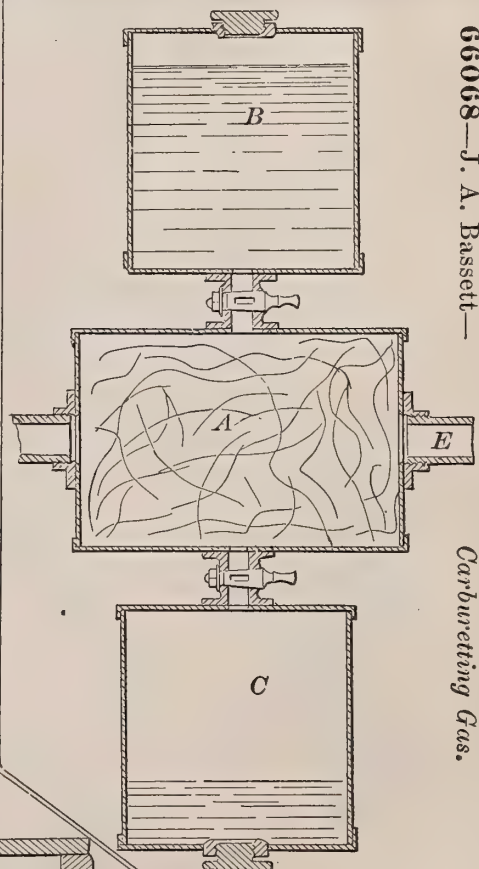
**66072**—J. E. Blake—*Construction of Fire Arms.*



**66074**—G. E. Burt—*Hay Spreader.*

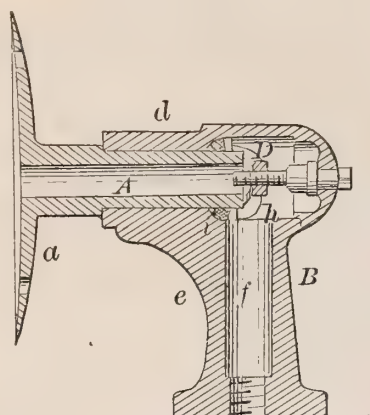


**66068**—J. A. Bassett—*Carburetted Gas.*

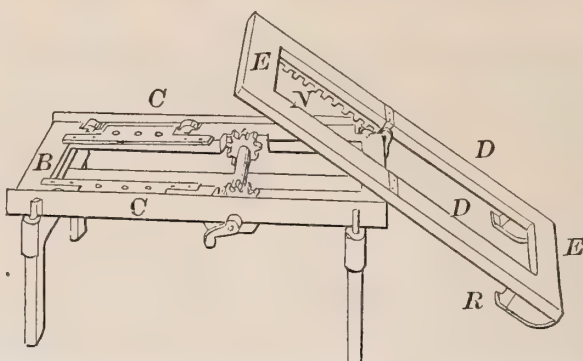




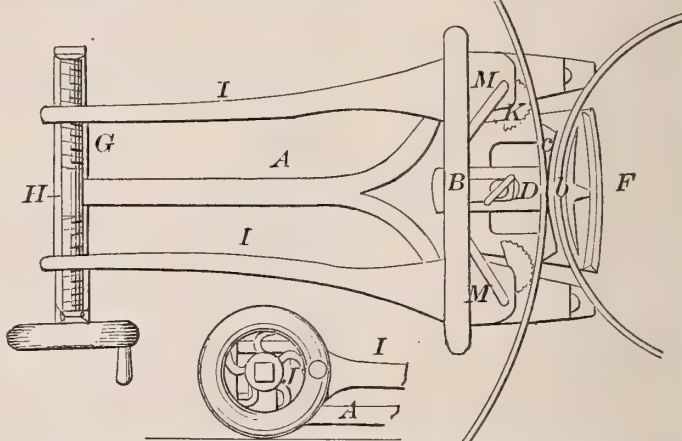
**66075**—H. W. Butterworth—*Steam Drying Cylinder.*



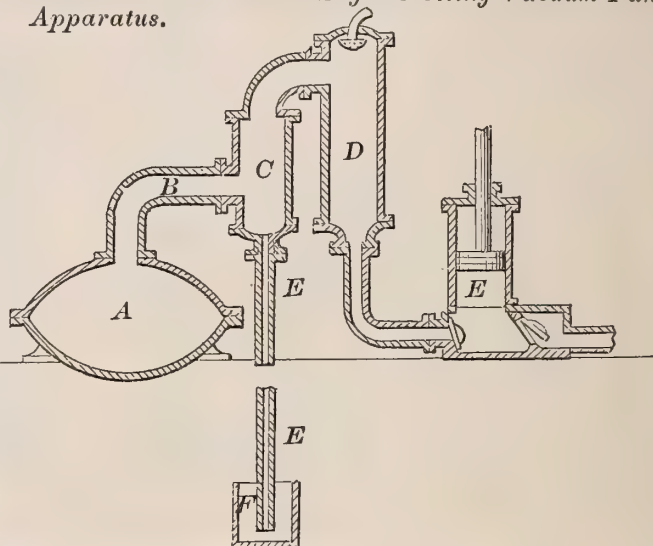
**66076**—N. Clute—*Dumping Wagon.*



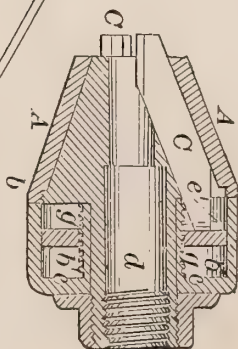
**66078**—D. Ellenwood—*For Shrinking Tires.*



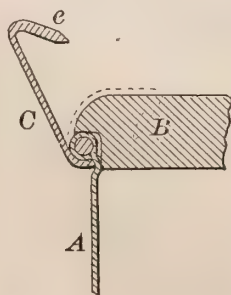
**66080**—C. Harriman—*Sugar Boiling Vacuum Pan Apparatus.*



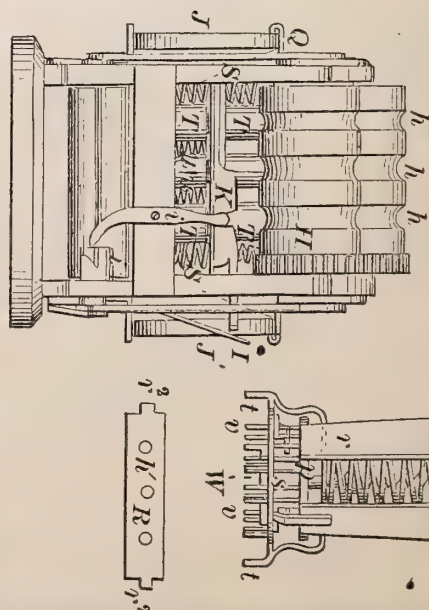
**66081**—Harris & Haight—*Chuck.*



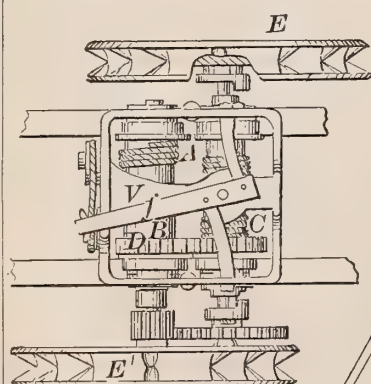
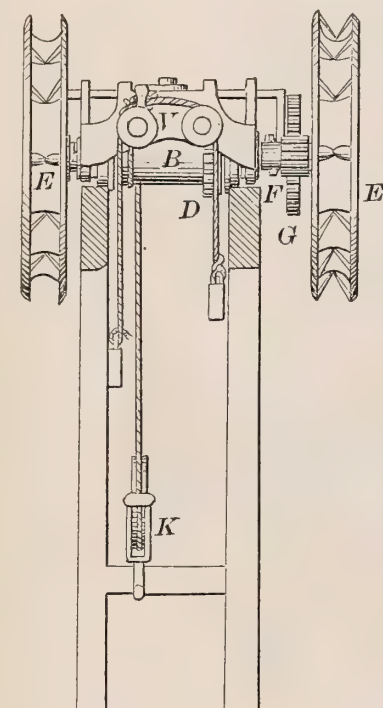
**66077**—F. W. Devoe—*Paint Can.*



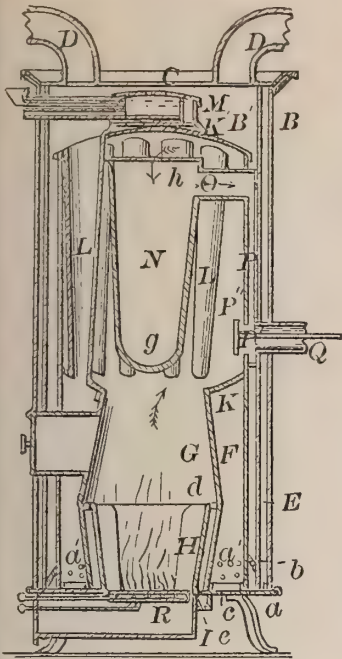
**66082**—J. E. Hawkins—*Crocker Machine.*



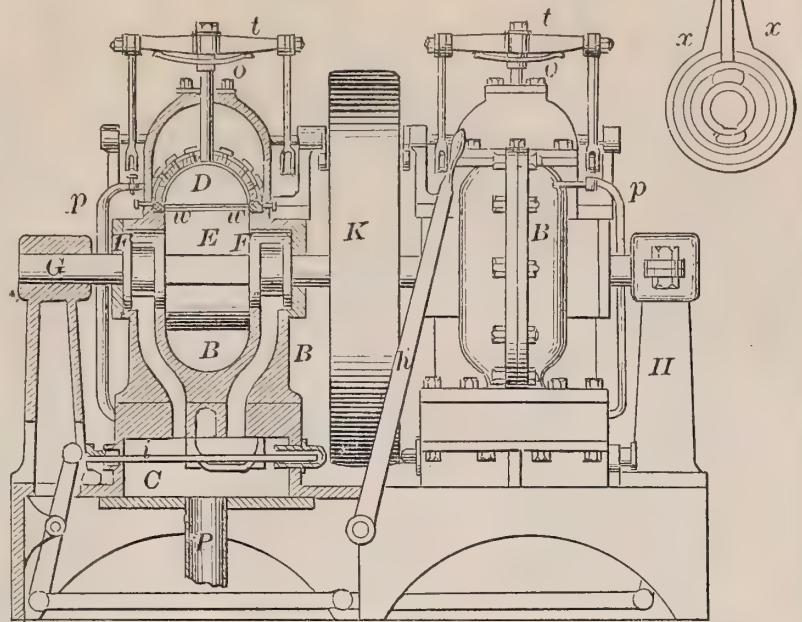
**66079**—S. C. Goodsell—*Hoisting Device.*



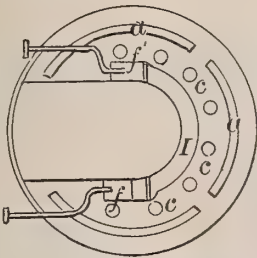
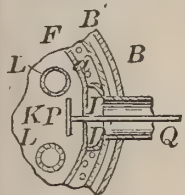
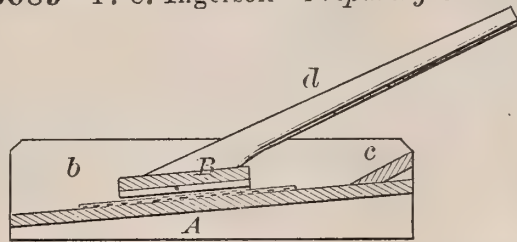
**66083**—F. C. Hesse—*Hot Air Furnace.*



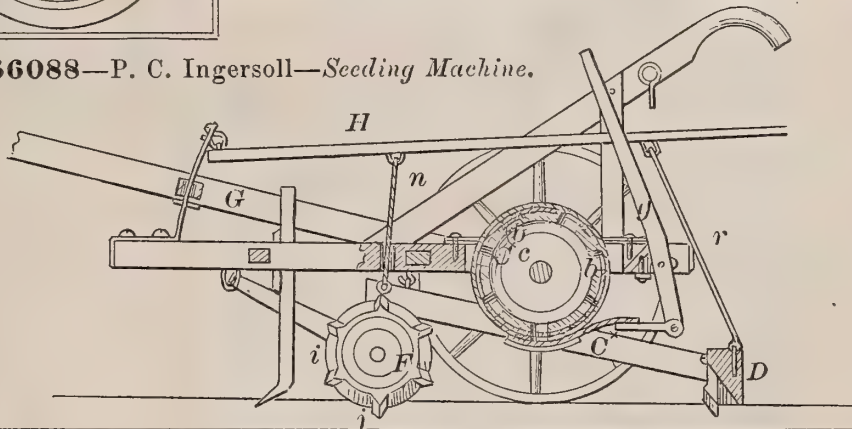
**66085**—W. H. Holland—*Rotary Steam Engine.*



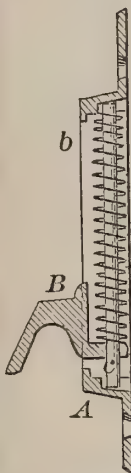
**66089**—P. C. Ingersoll—*Preparing Cotton Seed.*



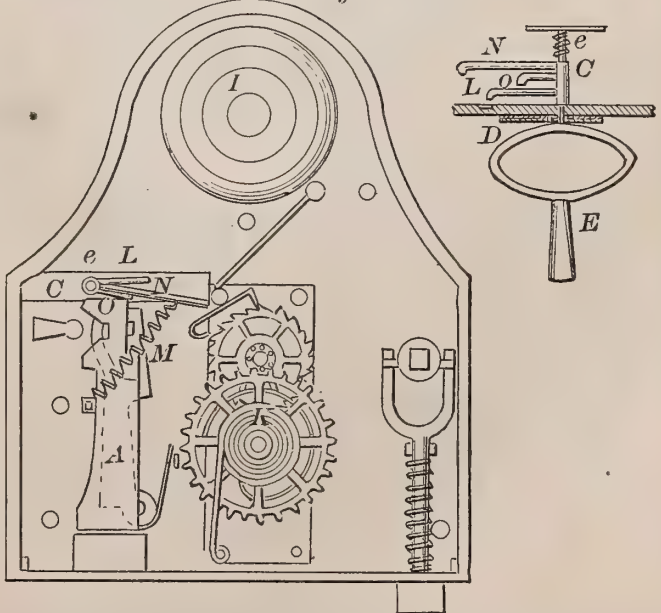
**66088**—P. C. Ingersoll—*Seeding Machine.*



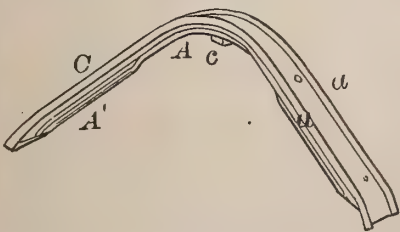
**66084**—J. J. Hessler—*Curtain Picture.*



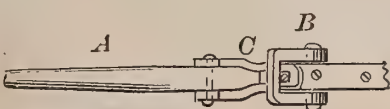
**66090**—G. Jacobs—*Burglar Alarm Lock.*



**66086**—J. Hosford—*Harness Pad.*

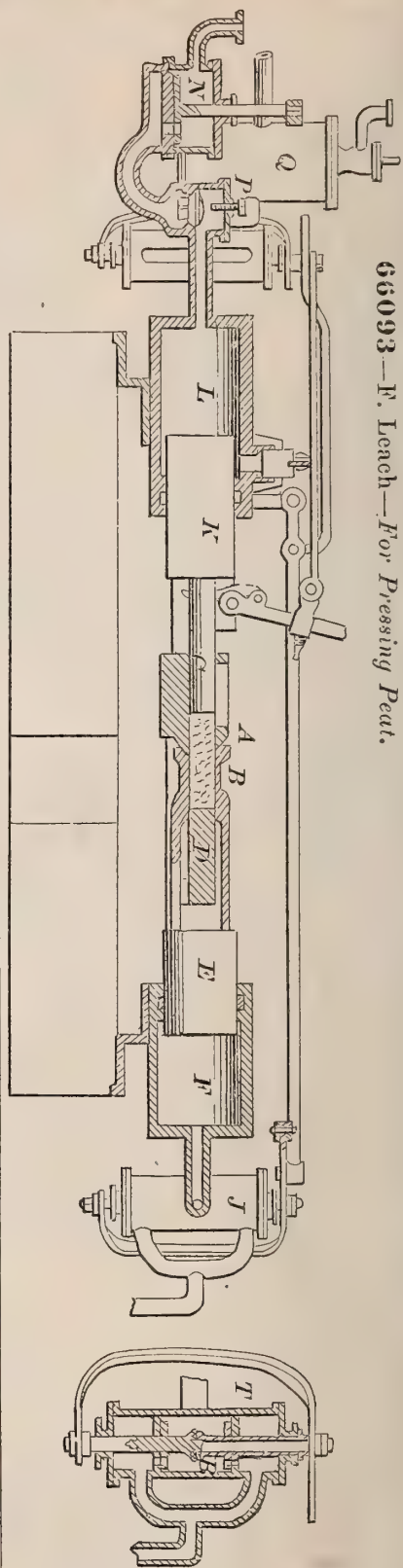


**66087**—P. C. Ingersoll—*Bale Band Tightener.*

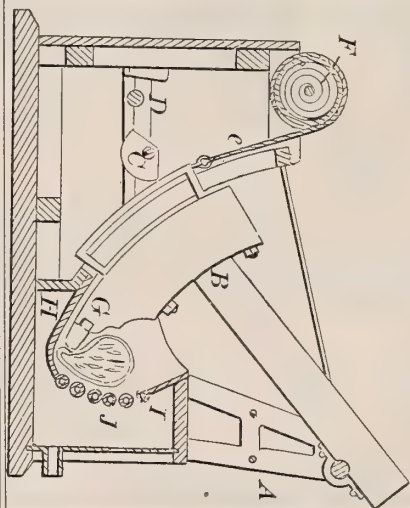




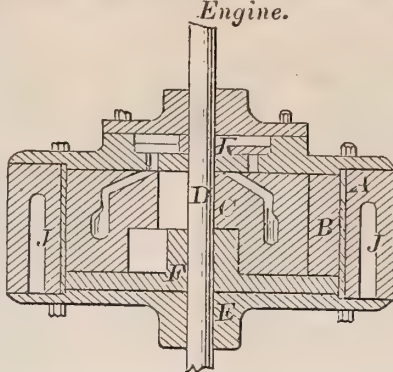
66093—E. Leach—For Pressing Peel.



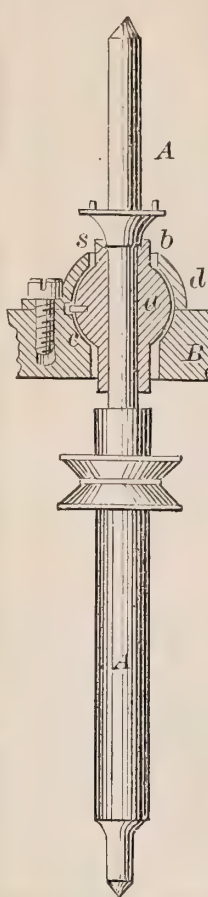
66095—W. B. Lodge—Pulling Stock.



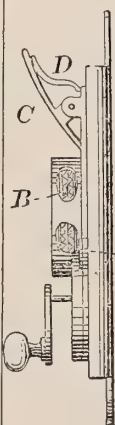
66092—C. Kaiser—Rotary Steam Engine.



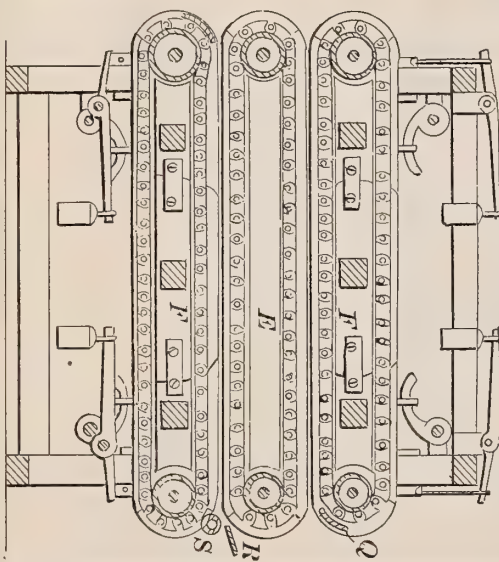
66091—B. H. Jenks—Spindle Bearing.



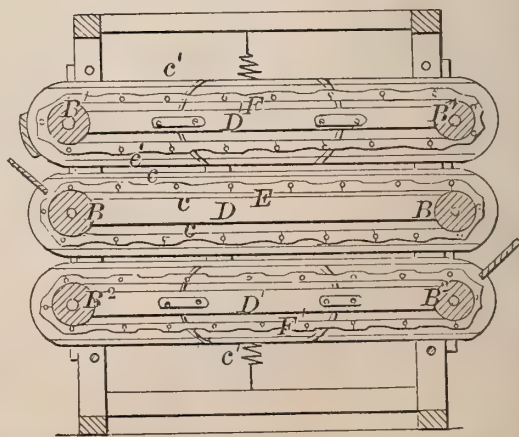
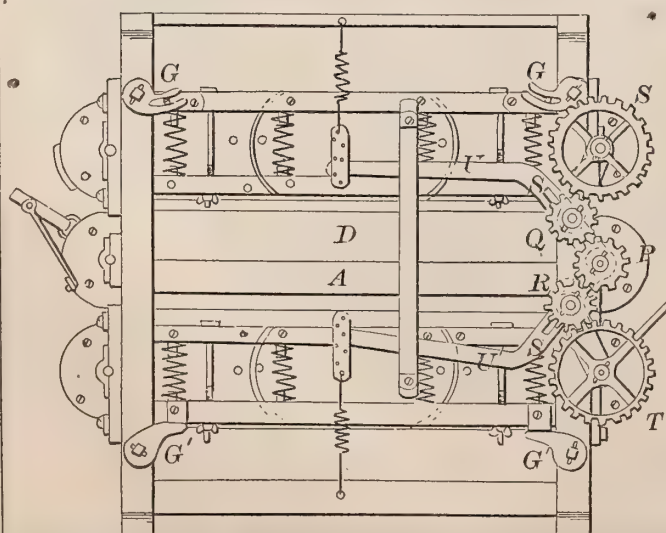
66094—Lee &amp; Paudler—Curtain Fixture.



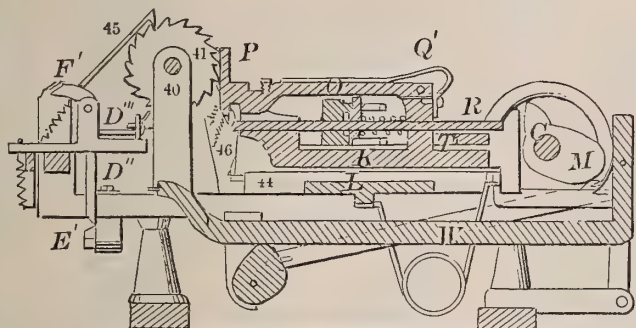
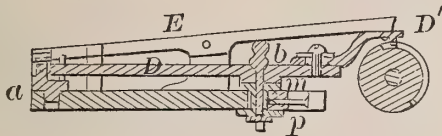
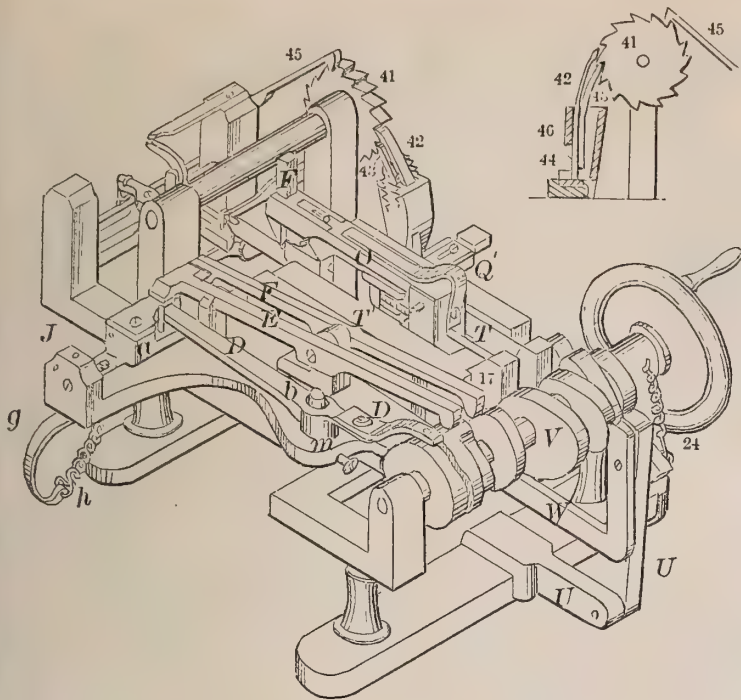
66096—Lodge &amp; Platner—For Sizing or Planking Hat Bottles.



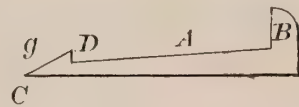
66097—Lodge &amp; Platner—For Sizing Hat Bodies.



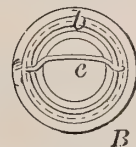
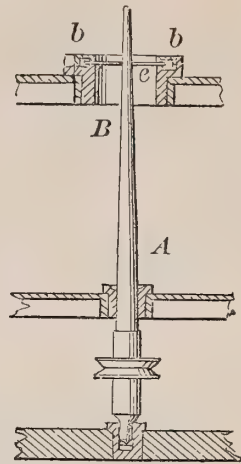
66098—D. McFarland—For Setting Card Teeth.



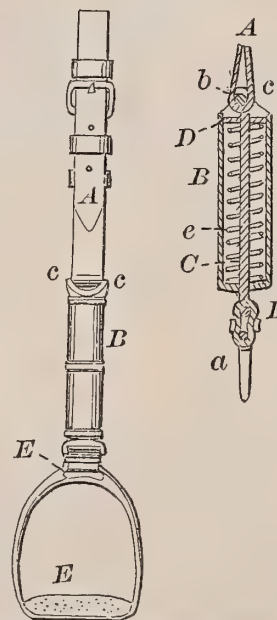
66100—J. McMurtry—Spike.



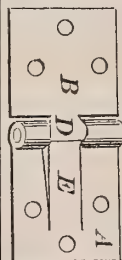
66104—H. T. Potter—Ring Treecler for Spinning.



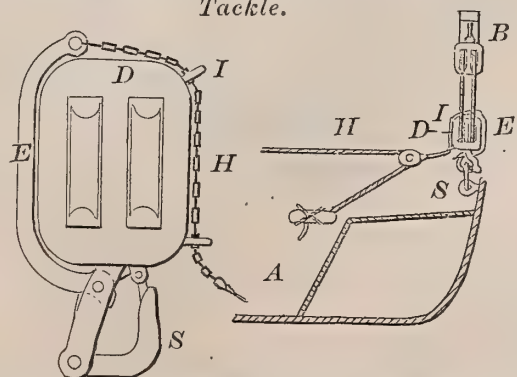
66106—N. L. Revere—Stirrup.



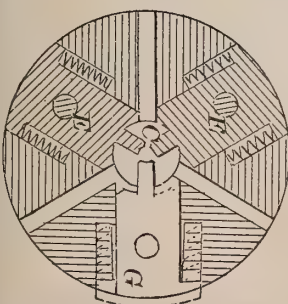
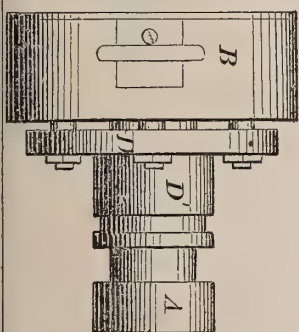
66103—A. M. Olds—Spring Hinge.



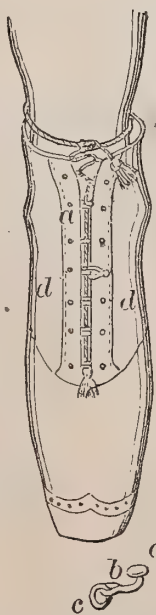
66105—C. H. Ramsten—Boat Detaching Tackle.



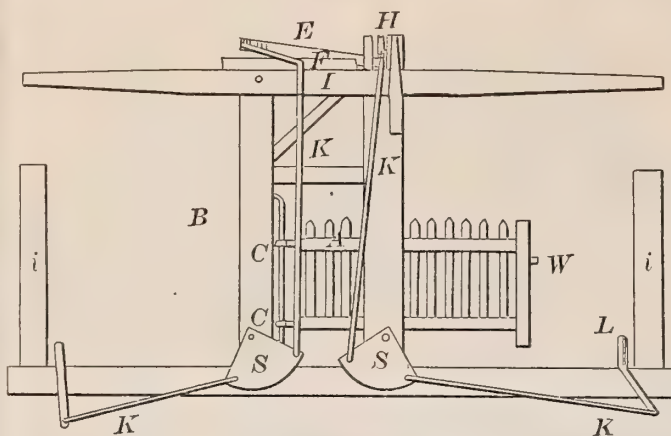
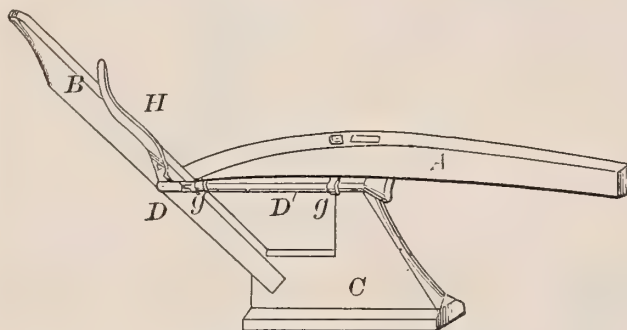
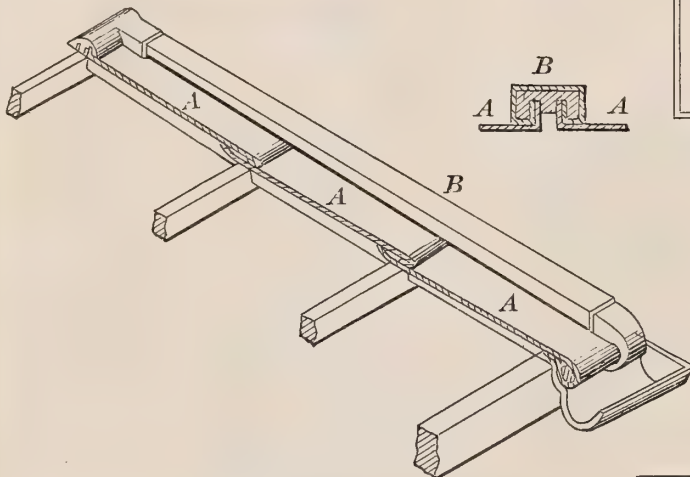
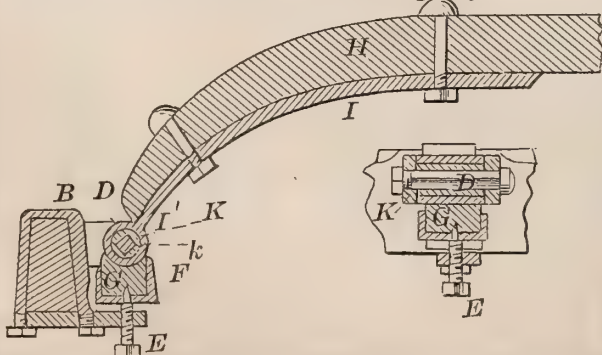
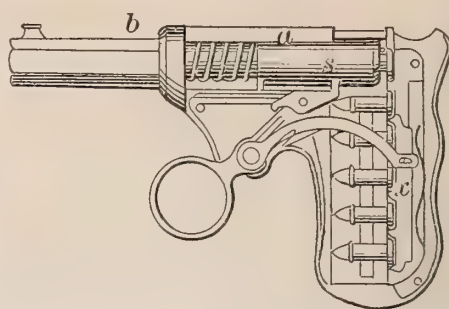
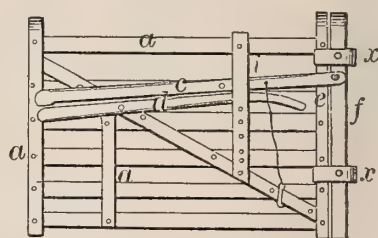
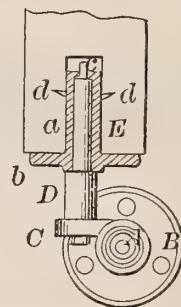
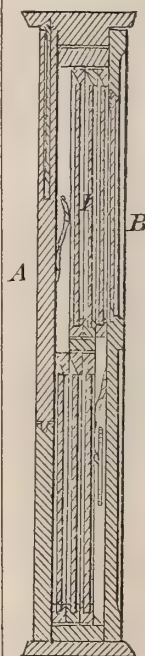
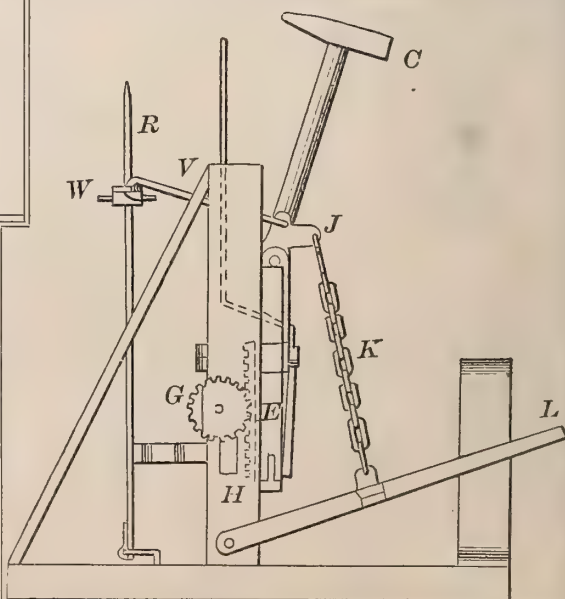
66107—Strayer & Hazelhurst—Bolt Cutter.



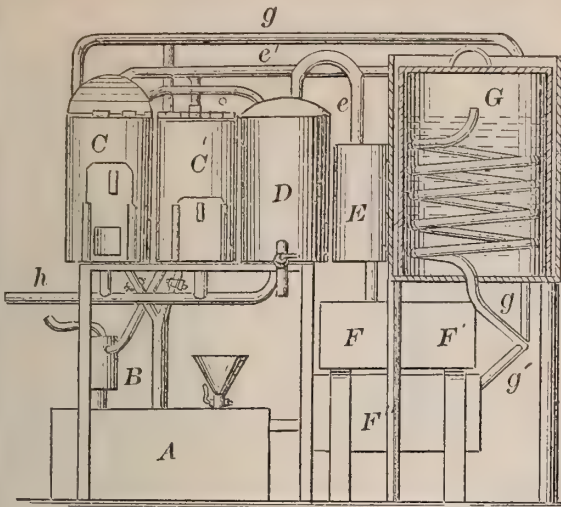
66099—McKenney & Carpenter—Boot Lacing Device.



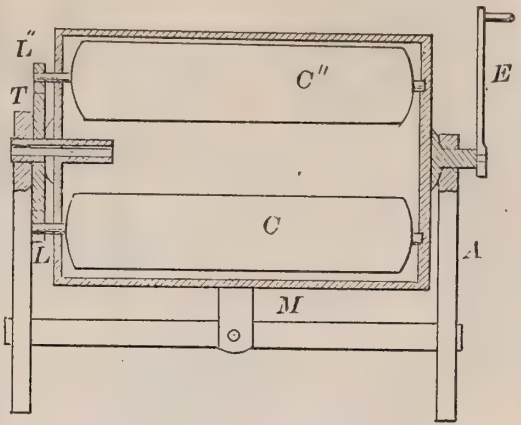


**66108**—Tattershall & Burchard—*Gate*.**66109**—J. Wallace—*Plow*.**66117**—E. Becker—*Roofing*.**66112**—F. W. & E. T. Albertine—*Guide for Carding Machines*.**66114**—F. Ballard—*Thill Coupling*.**66110**—H. F. Wheeler—*Fire Arm*.**66113**—D. D. Baker—*Gate*.**66116**—J. T. Barnes—*Cluster*.**66115**—A. Barber—*Picture Holder*.**66111**—White & Bedford—*Driving Belt*.**66118**—G. Bell—*Blacksmith's Striker*.

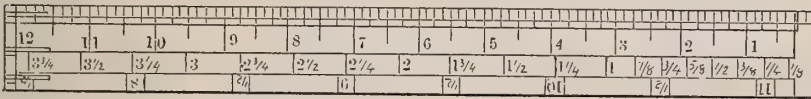
66119—J. Besso—*Extracting Grease and Oil.*



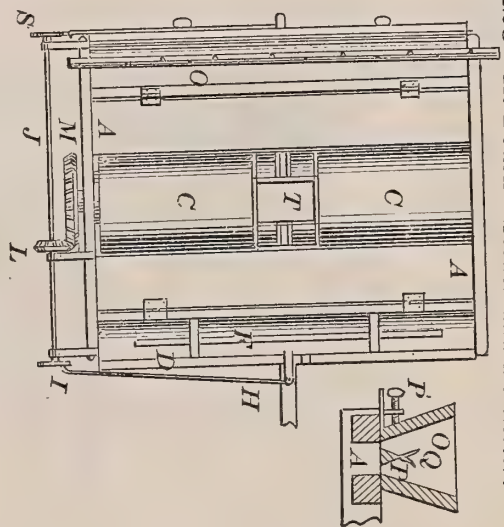
66122—F. Blecka—*Churn.*



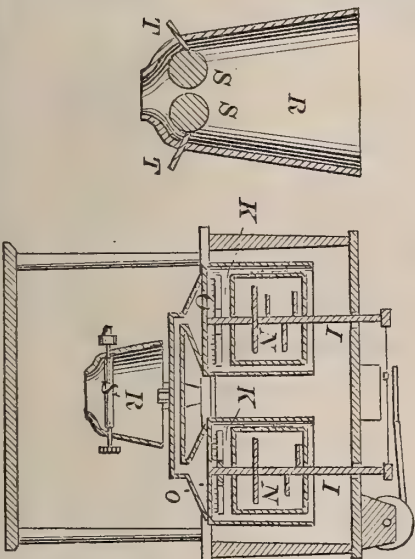
66120—T. Bigelow—*Tinner's Rule.*



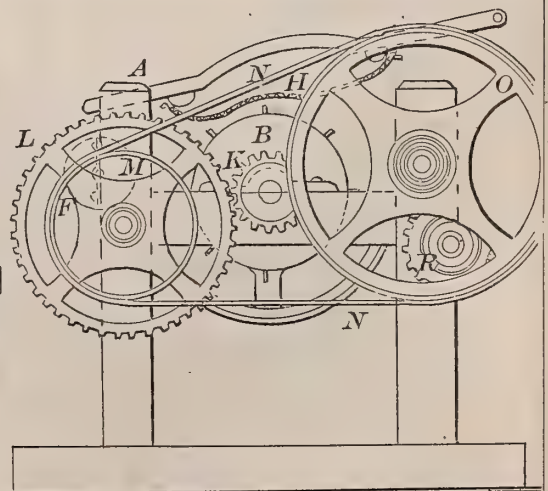
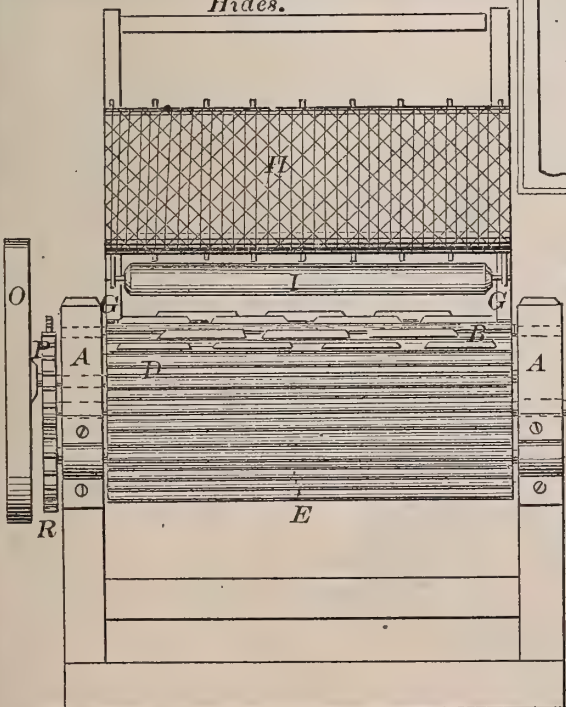
66123—H. Bourn—*Seeder and Fertilizer.*



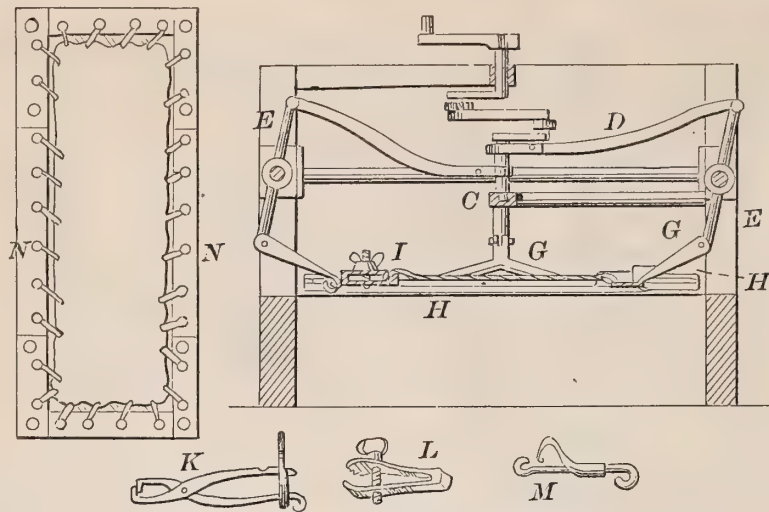
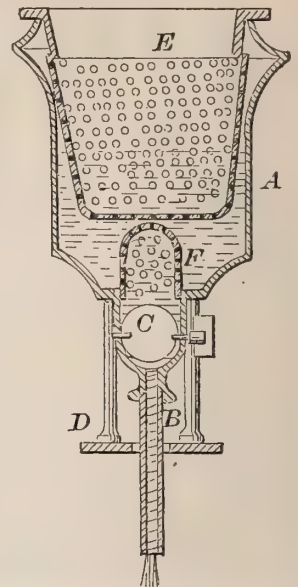
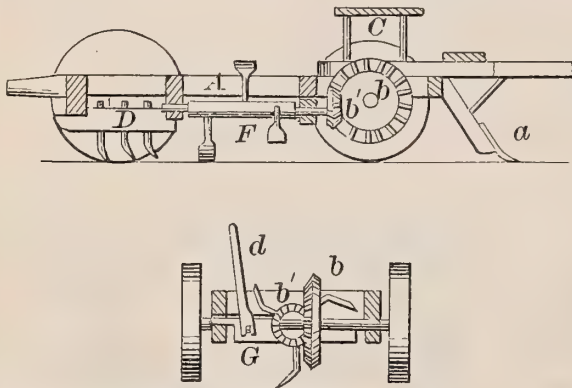
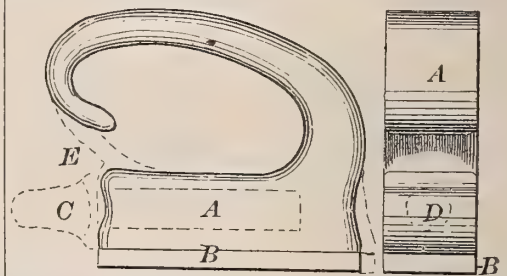
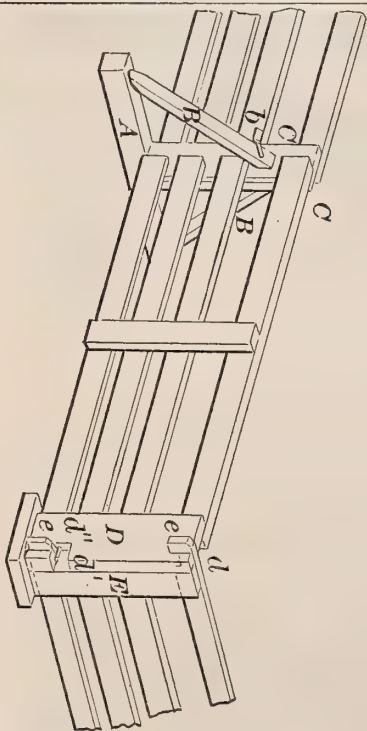
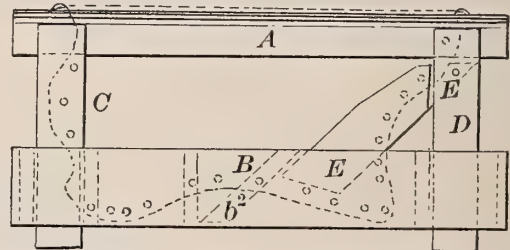
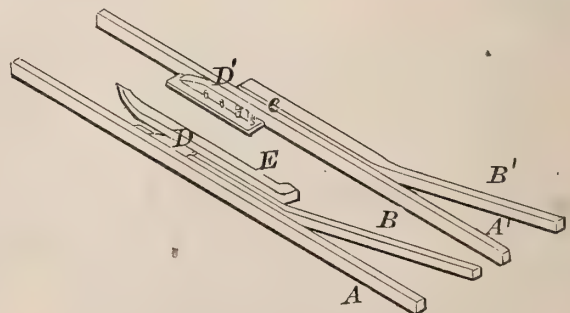
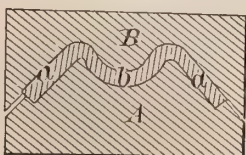
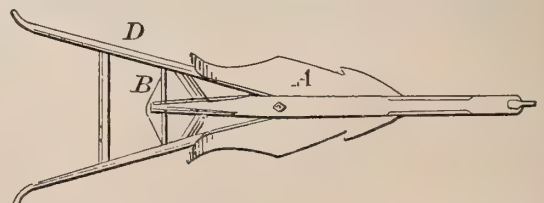
66121—C. H. Blanchard—*For Making Starch, Paste, Size, &c.*



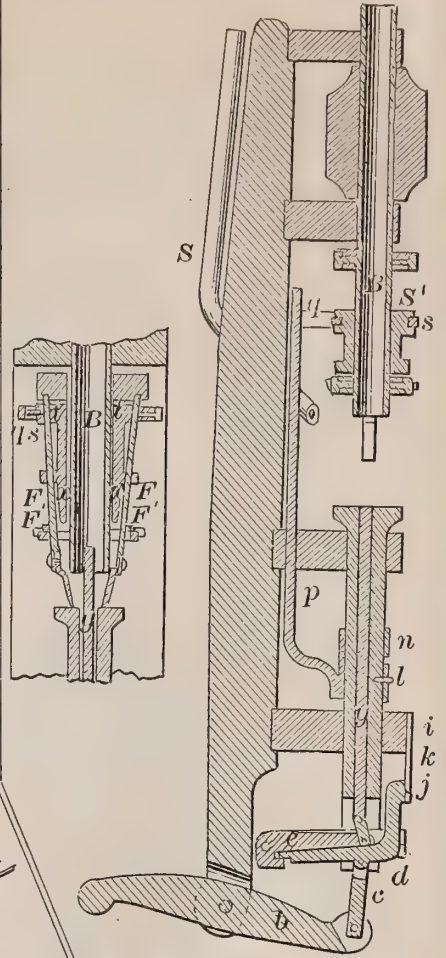
66124—E. Brock—*For Unhairing Hides.*



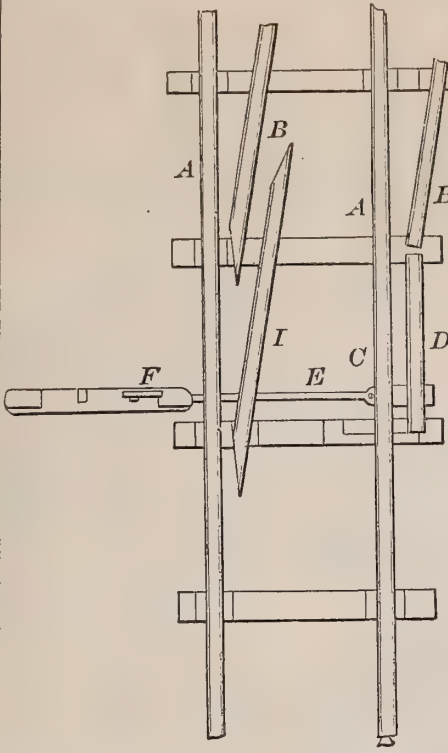


**66125**—F. J. Burcham—*For Dressing Leather.***66127**—F. Catlin—*Funnel.***66128**—Chambers & Washam—*Cotton Cultivator.***66126**—W. J. Burge—*Knife Cleaner.***66129**—P. Chandler—*Portable Fence.***66131**—I. W. Dawson—*For Stretching Wet Leather.***66132**—J. Denhard—*For Transferring Cars.***66130**—J. B. Clark—*Blank for Carriage Thill Shackles.***66133**—R. W. Downman—*Drain Plow.*

66141—L. W. Felt—*For Cutting Cork.*



66136—B. F. Farrar—*Railroad Switch.*

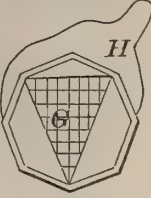
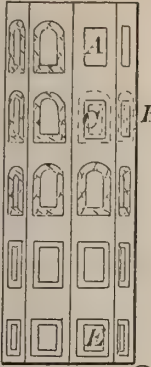


66134—J. Earnshaw—*Kaleidoscope.*

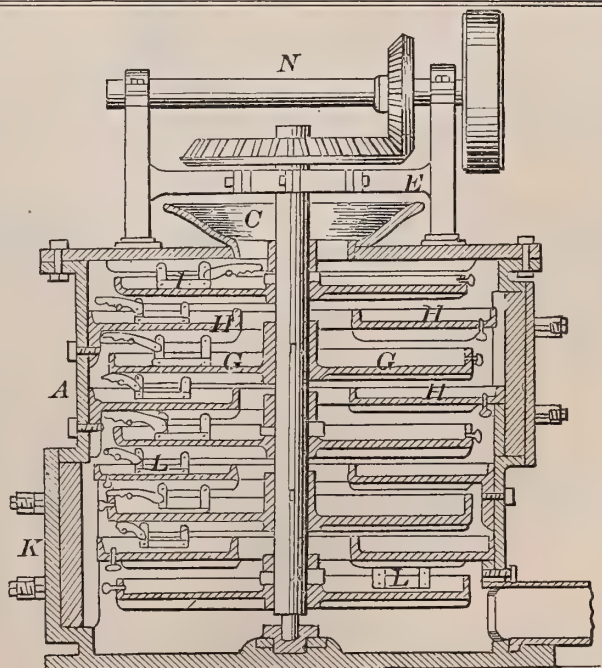
Fig. 2



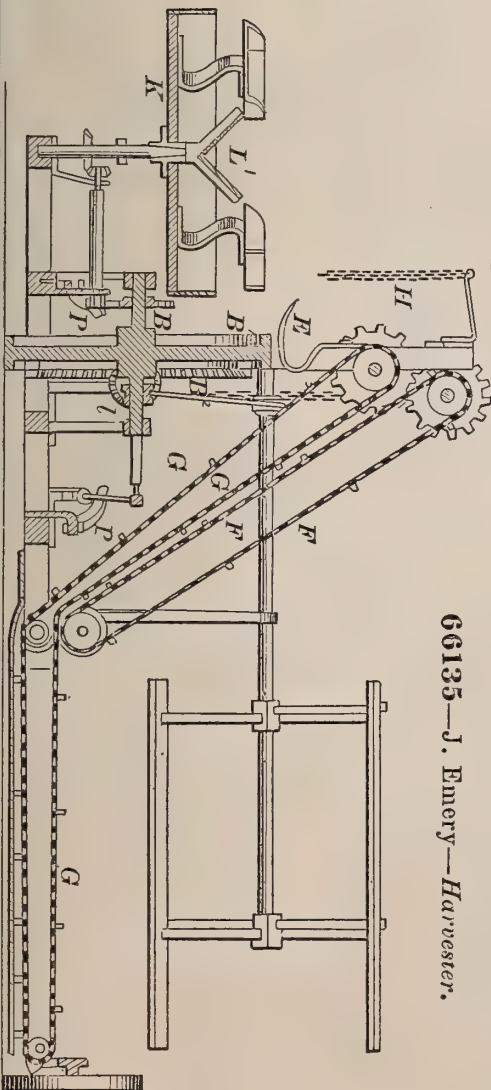
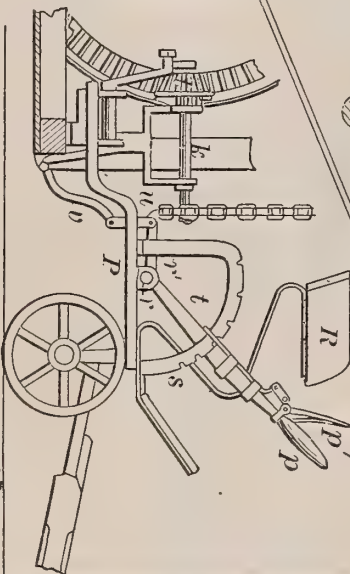
Fig. 1



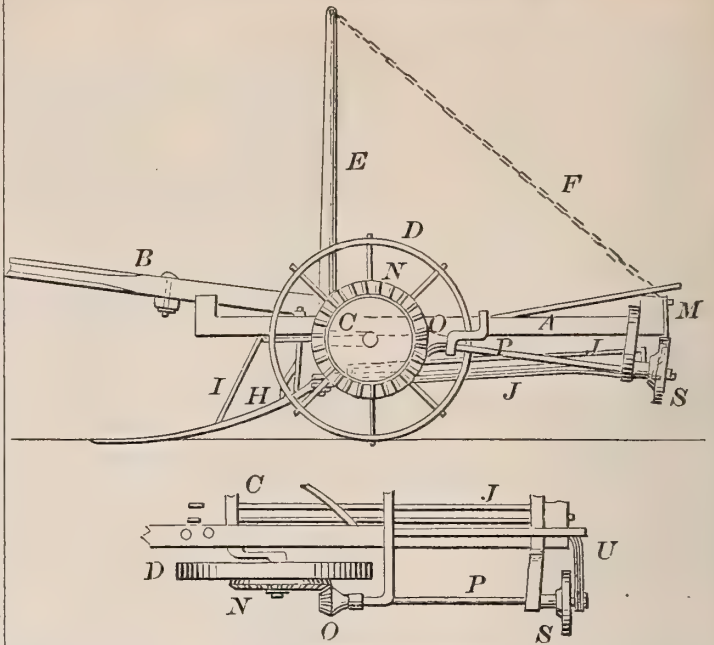
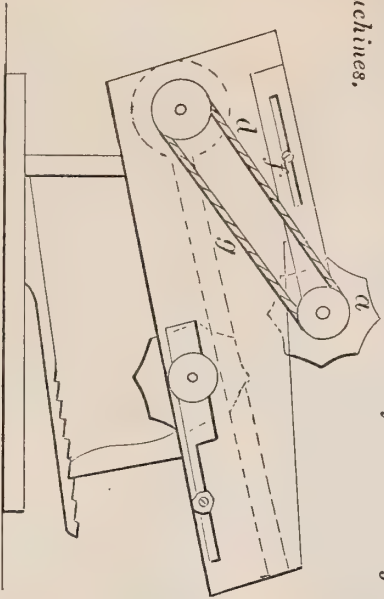
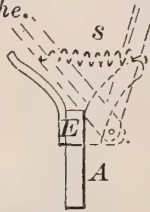
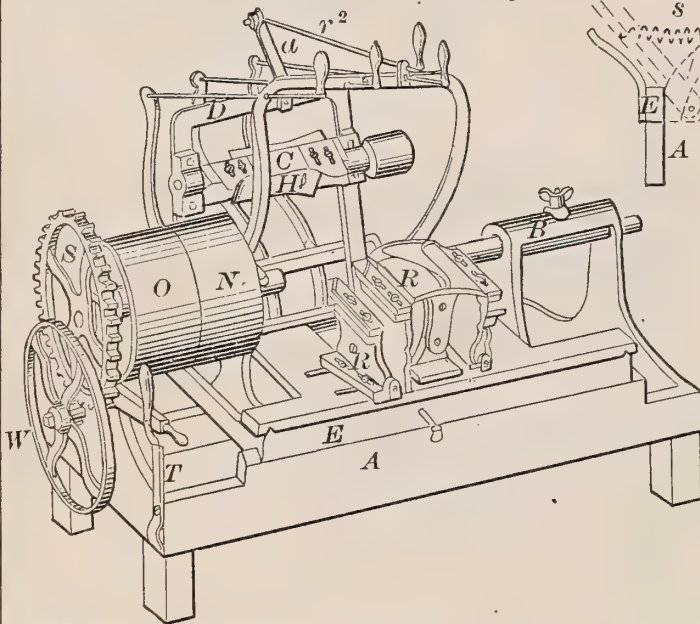
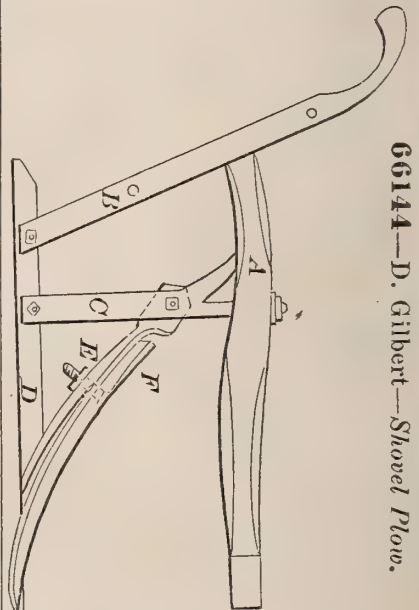
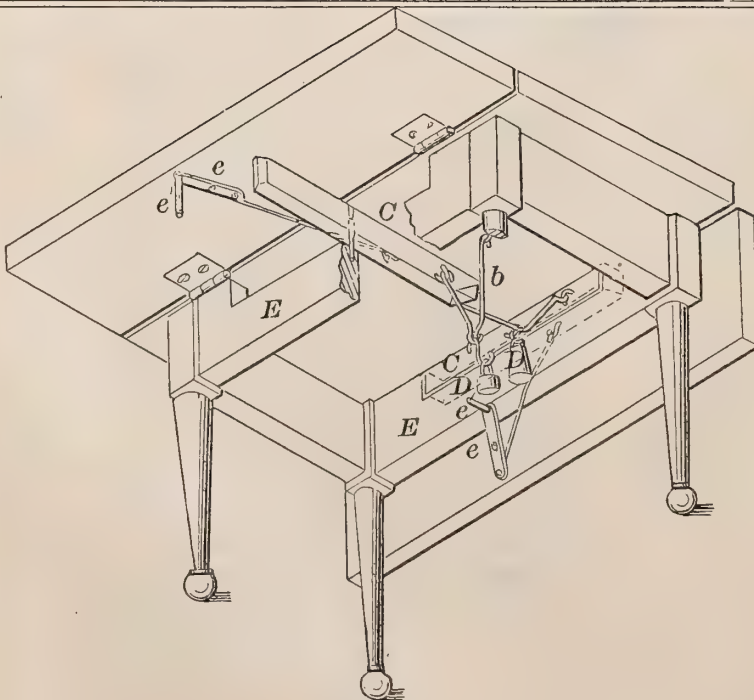
66142—J. B. Forissier—*Analysator.*



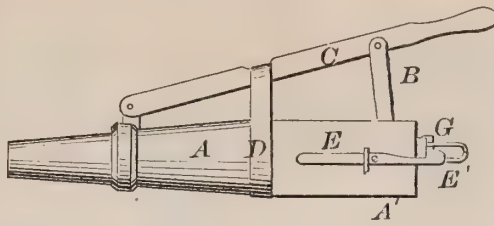
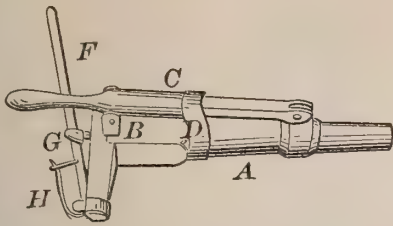
66135—J. Emery—*Harvester.*



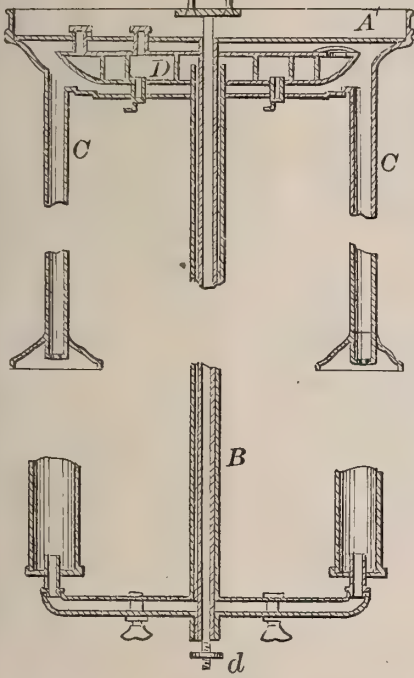


66145—Giles & McRobert—*Potato Digger.*66143—W. P. French—*Band Cutter for Threshing Machines.*66146—A. Goodyear—*Wood Turning Lathe.*66144—D. Gilbert—*Shovel Plow.*66147—C. H. Gould—*Billiard Cue.*66148—H. C. Hardy—*Table.*

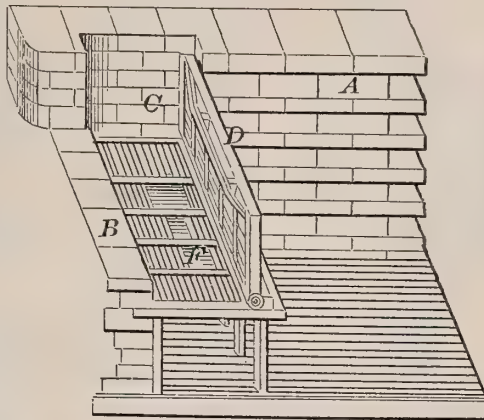
**66149**—Harris & Robinson—*For Drawing and Weighing Liquids.*



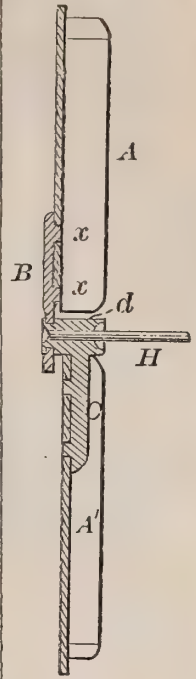
**66153**—J. H. Irwin—*For Carburetting Air.*



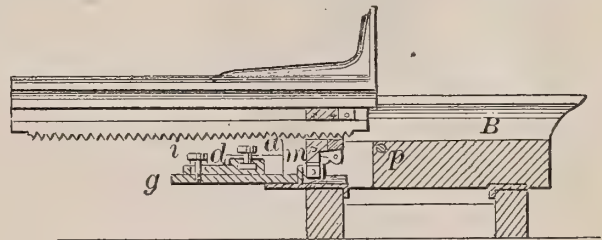
**66151**—G. Heath—*Canal Lock.*



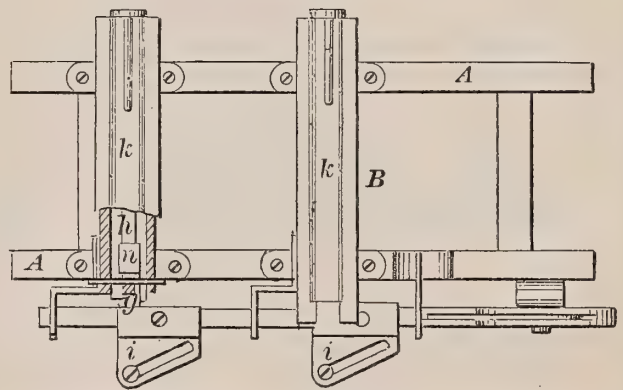
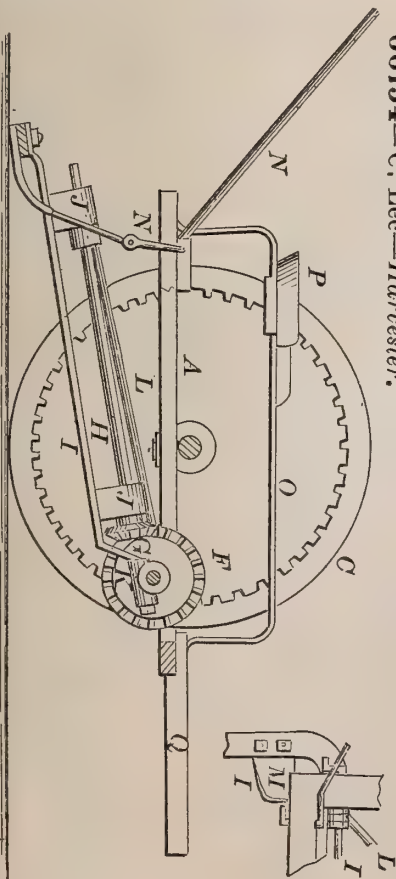
**66150**—G. Havell—*Bag Hinge.*



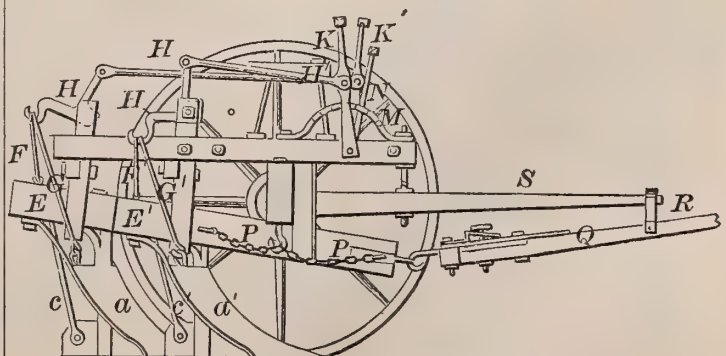
**66152**—J. Hubbell—*Head Block for Saw Mills.*



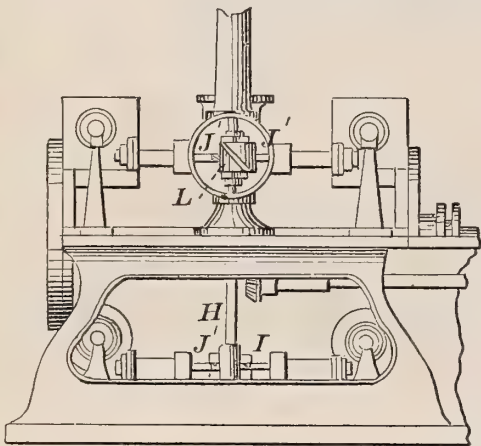
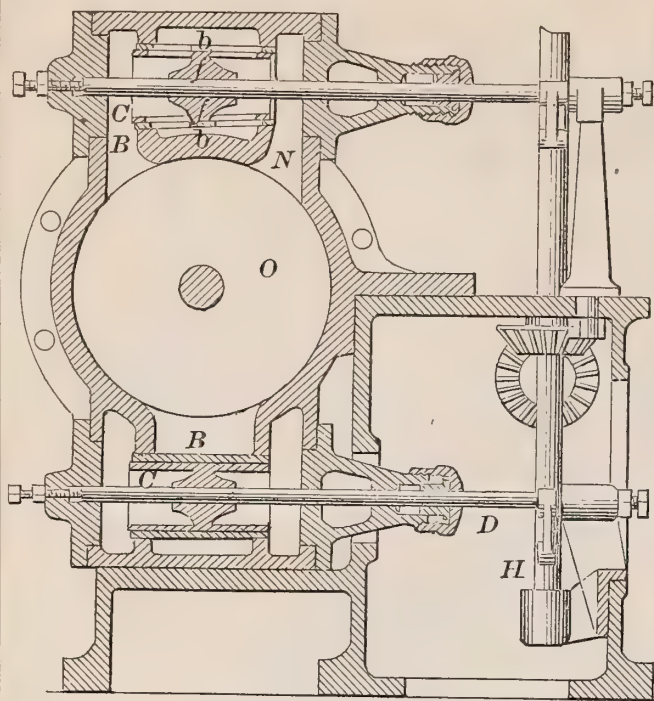
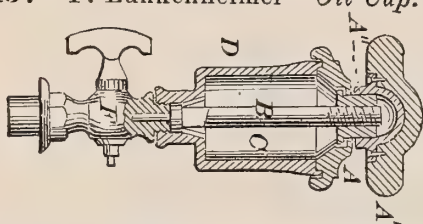
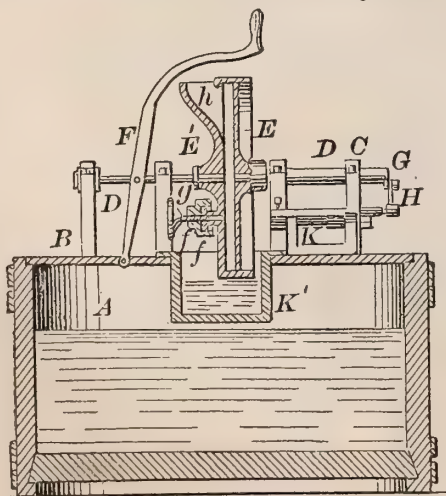
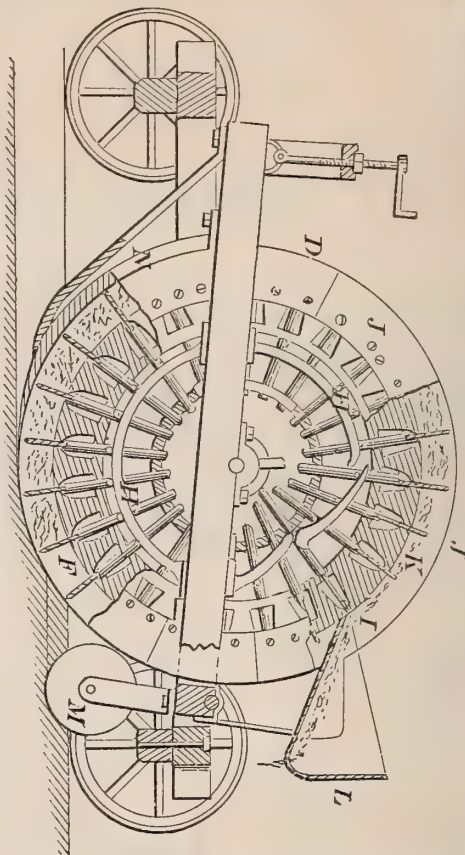
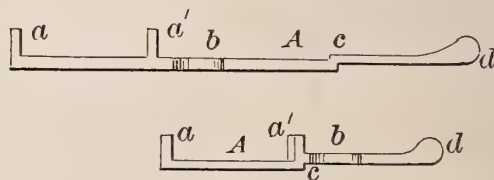
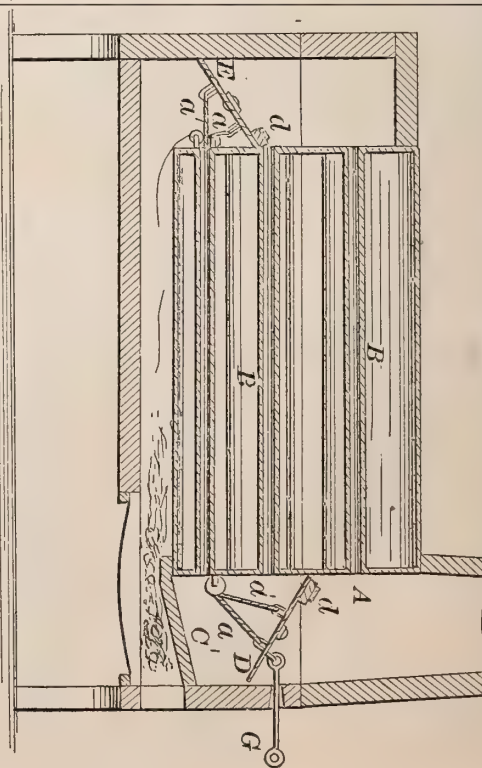
**66154**—C. Lee—*Harvester.*



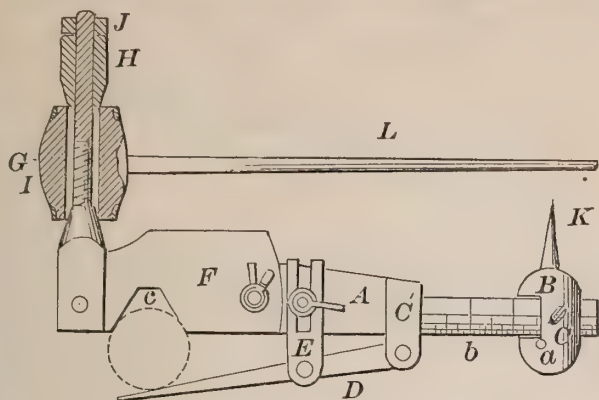
**66155**—J. T. Legg—*Gang Plow.*



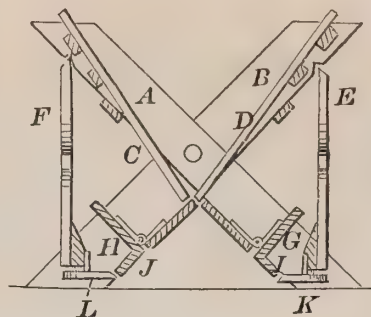


66156—K. H. Loomis—*Steam Engine Tube.*66157—F. Lunkenheimer—*Oil Cup.*66162—M. McEnerny—*Washing Machine.*66159—C. Matheny—*Ditching Machine.*66160—W. W. Maughlin—*Sash Fastener.*66161—H. McDonough—*Steam Boiler Damper.*

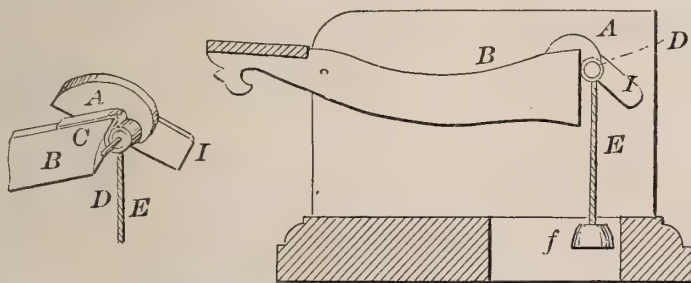
66163—Mills & McIrvin—Wheelwright Machine.



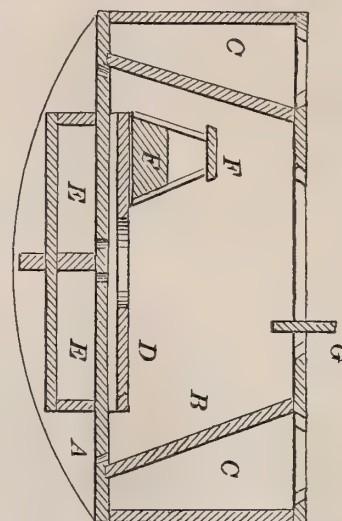
66164—J. D. Munson—Sheep Rack.



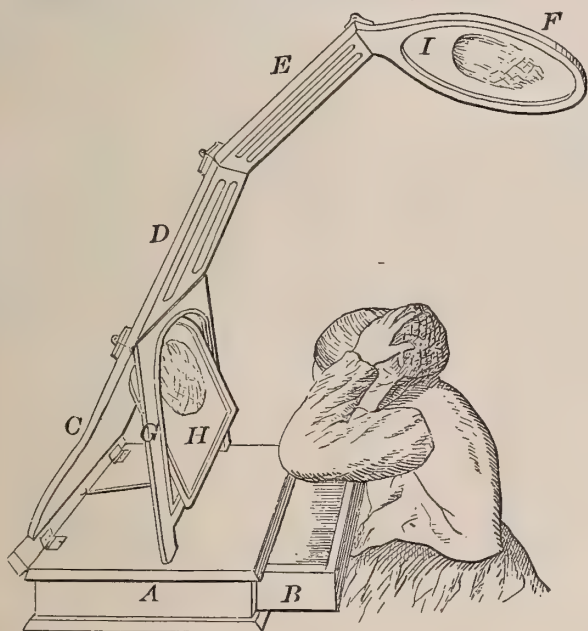
66165—Neal & Startzman—Weighing Apparatus.



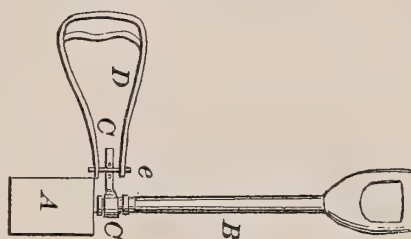
66167—J. M. Noble—Washing Machine.



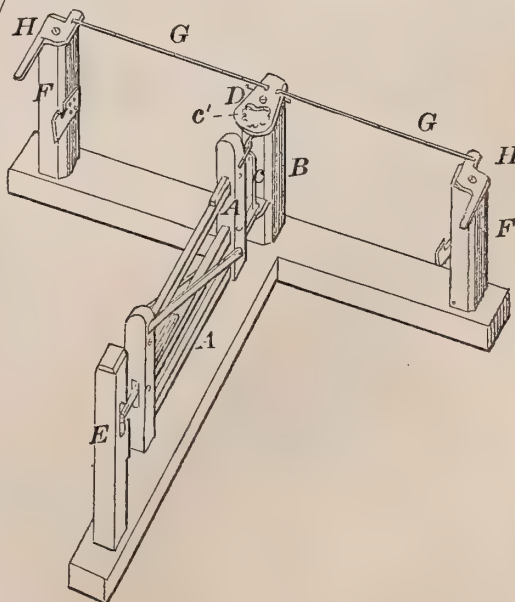
66168—A. Ober—Toilet Glass.



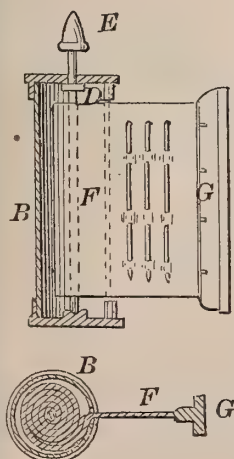
66169—Parsons & Wooster—Spading Fork and Shovel.



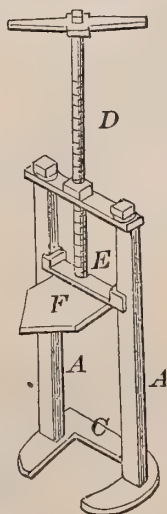
66171—Powell & Everett—Gate.



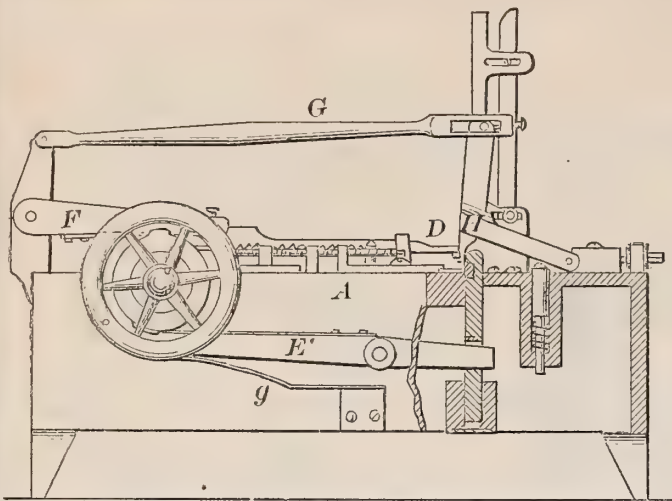
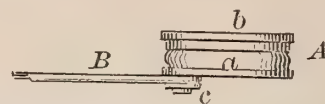
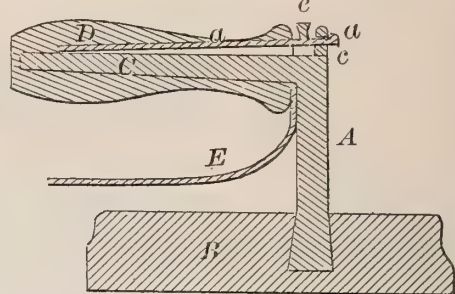
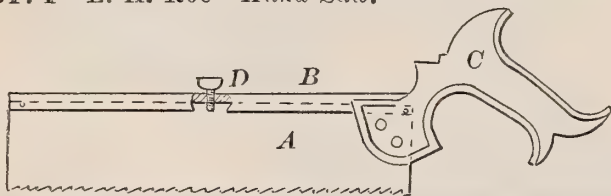
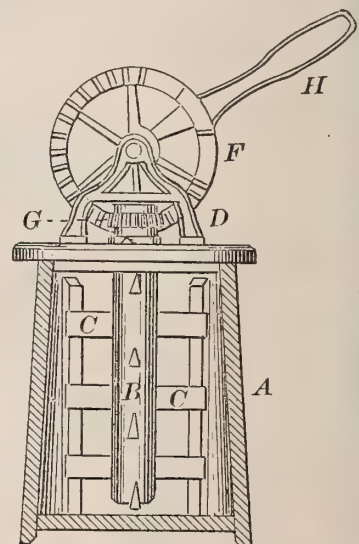
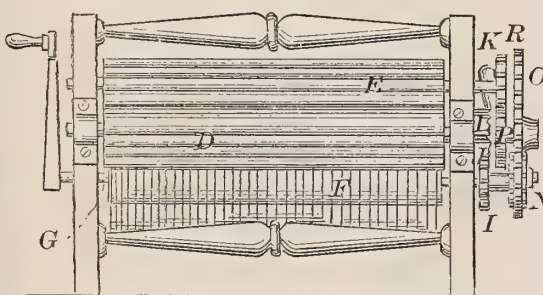
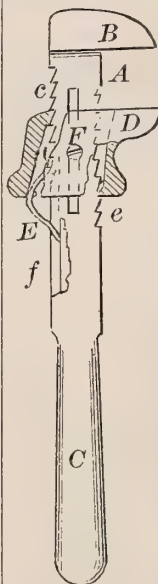
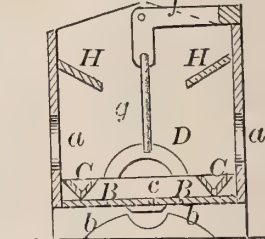
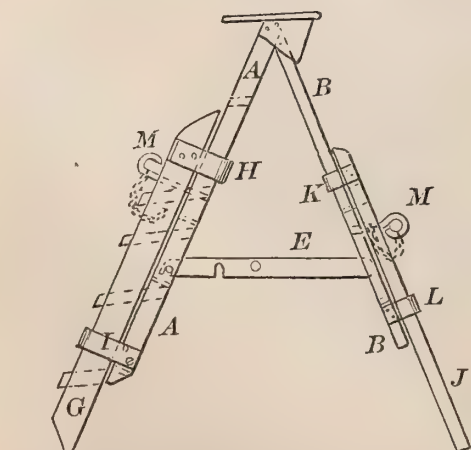
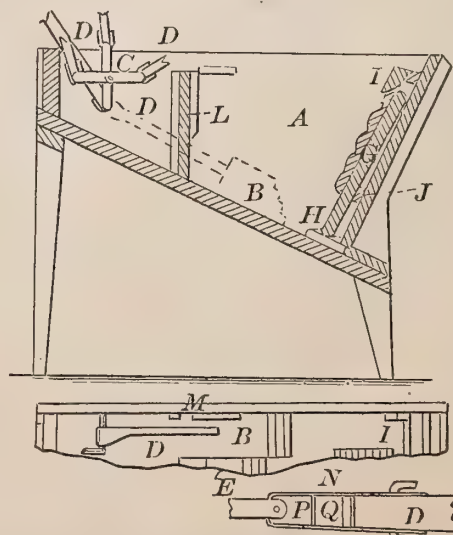
66166—J. F. Newhall—Needle Case.



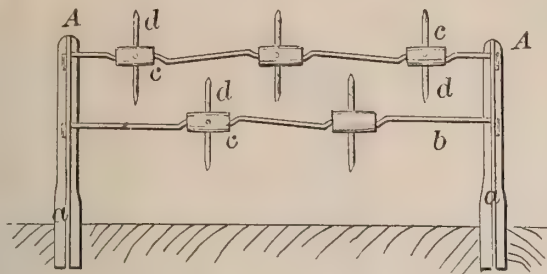
66170—H. Patterson—Railway Track Raiser.



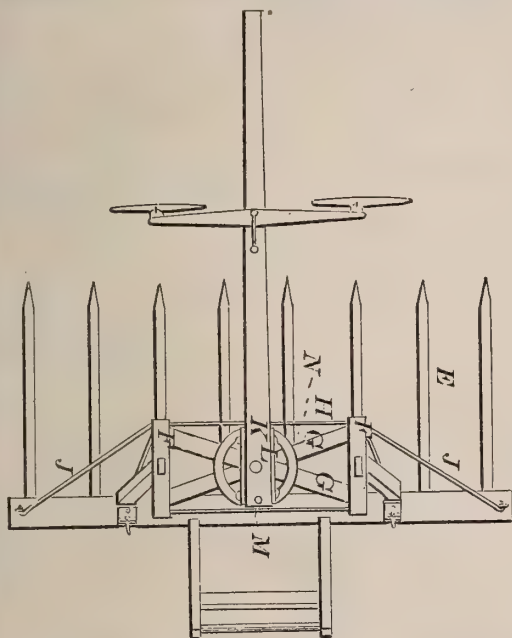


**66172**—A. Rais—*For Making Butt Hinges.***66173**—T. S. Robinson—*Blacking Box Handle.***66175**—F. J. Schellmann—*Sad Iron Handle.***66174**—E. H. Roe—*Hand Saw.***66178**—H. Sidle—*Churn.***66176**—J. Schultz—*For Unhairing Hides.***66177**—J. V. H. Secor—*Wrench.***66180**—J. J. Smith—*Sheep Feeding Rack.***66179**—H. T. Smith—*Step Ladder.***66181**—L. Smith—*Washing Machine.*

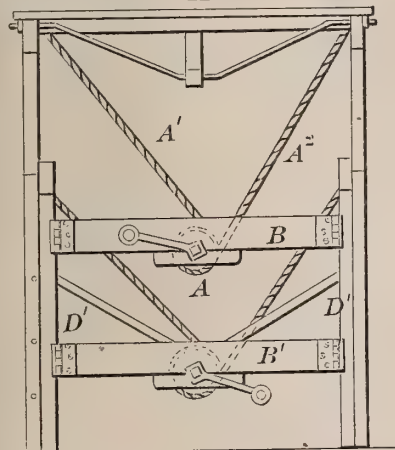
**66182**—L. B. Smith—*Wire Fence.*



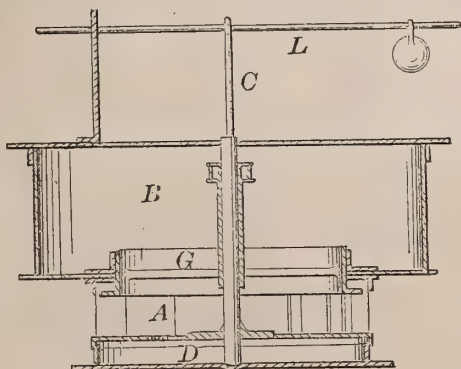
**66186**—J. F. Swinnerton—*Horse Rake.*



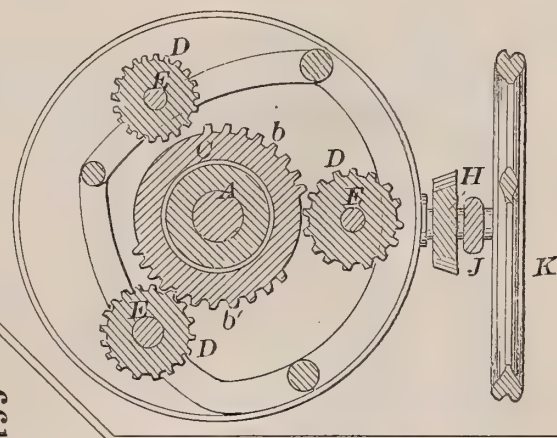
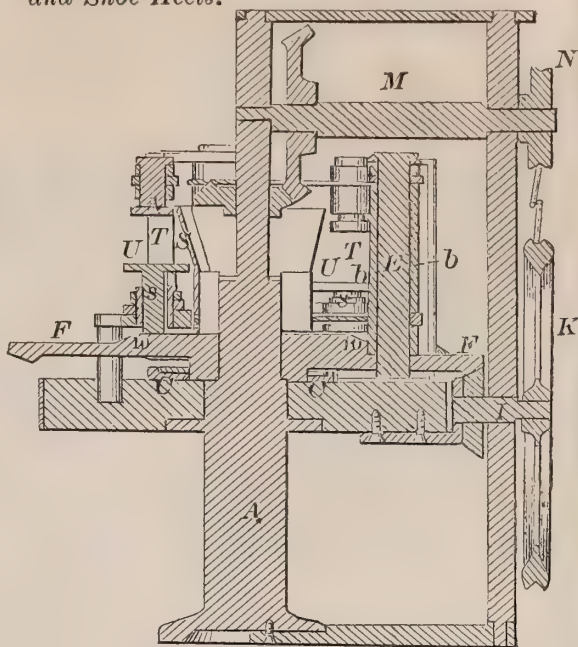
**66187**—C. M. Tanner—*Extension Scaffold.*



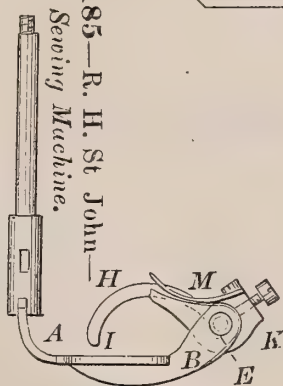
**66189**—E. Tuttle—*Water Wheel.*



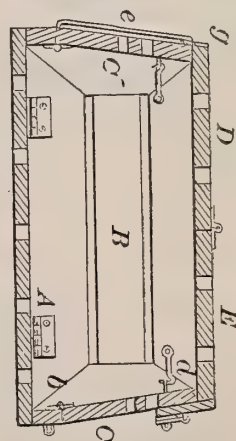
**66184**—C. S. Stearns—*For Trimming Boot and Shoe Heels.*



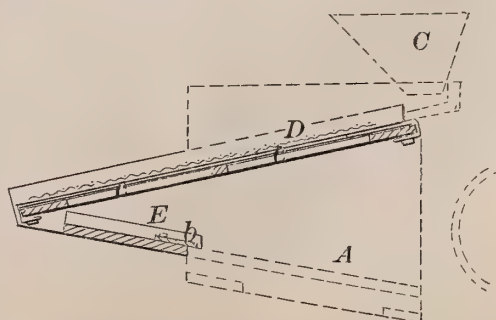
**66185**—R. H. St John—*Sewing Machine.*



**66183**—D. B. Spinning—*Fruit and Poultry Box.*

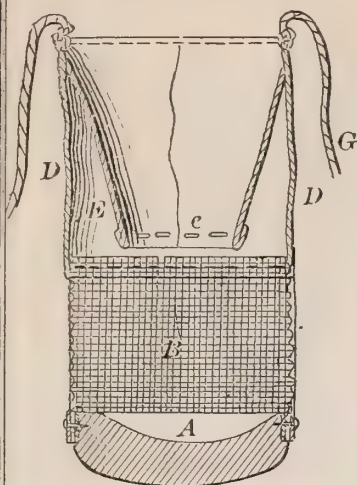


**66188**—H. S. Townsend—*Seed and Grain Sieve.*

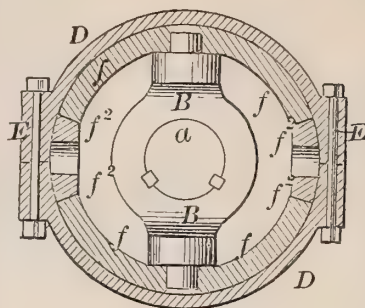




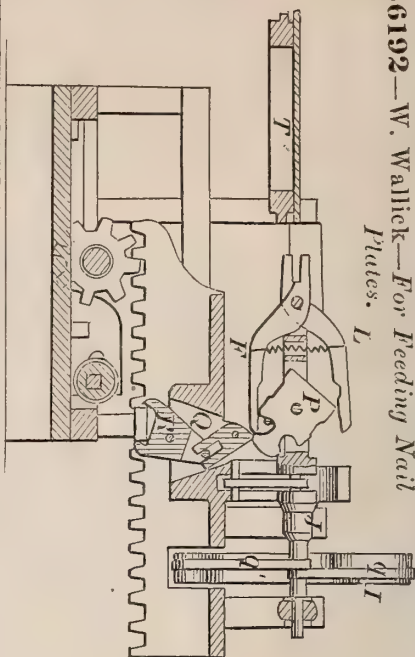
**66190**—J. Vandercar—  
*Feed Bag.*



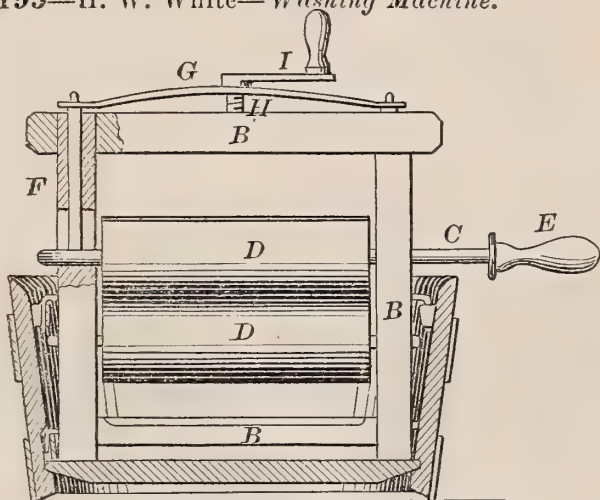
**66193**—N. W. Wheeler—  
*Flexible Coupling.*



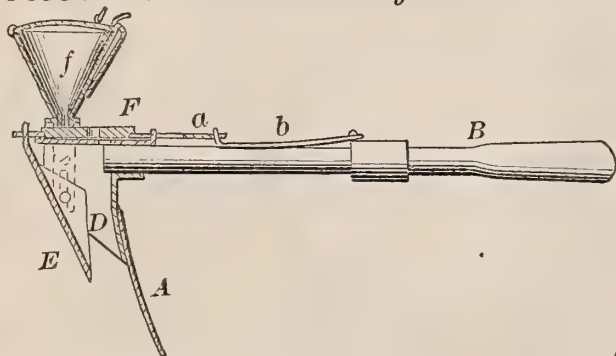
**66192**—W. Wallick—*For Feeding Nail  
Plates.*



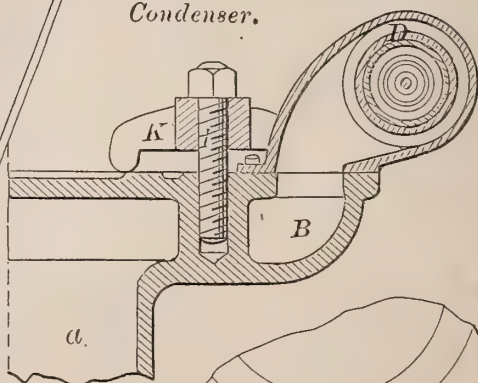
**66195**—H. W. White—*Washing Machine.*



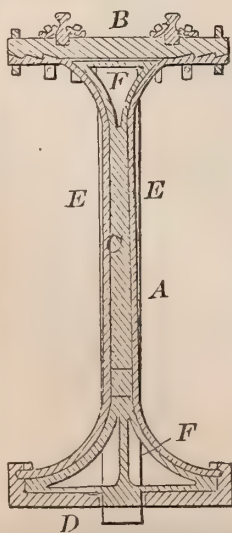
**66196**—A. Williams—*Planting Hoe.*



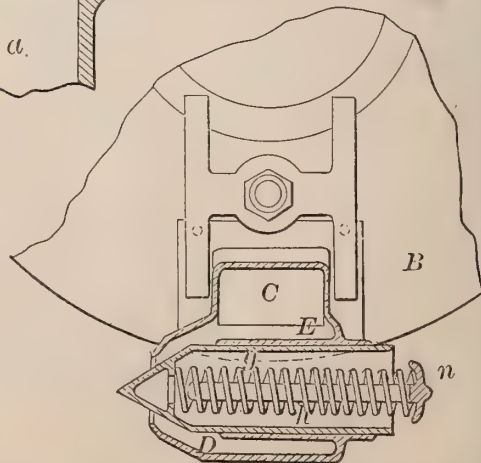
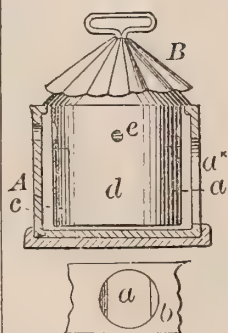
**66194**—N. W. Wheeler—*Surface  
Condenser.*



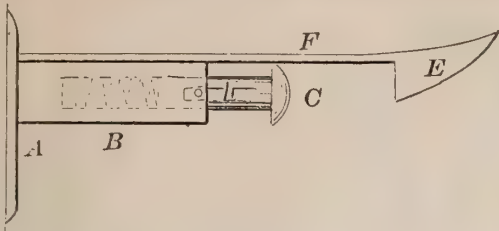
**66197**—E. A. Williams—*Support for  
Electric Railways.*



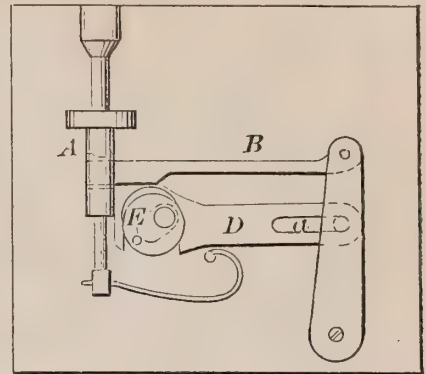
**66191**—J. Wall—*Signal Lamp.*



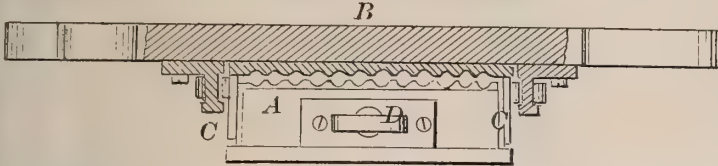
66198—C. L. Willis—*Door Stop and Latch.*



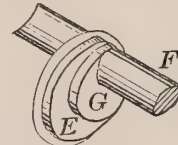
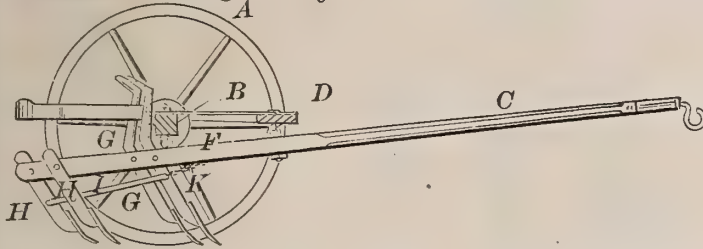
66204—L. D. Bartlett—*Steam Engine Valve Gear.*



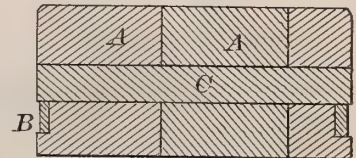
66199—W. V. V. Wilson—*Pill Machine.*



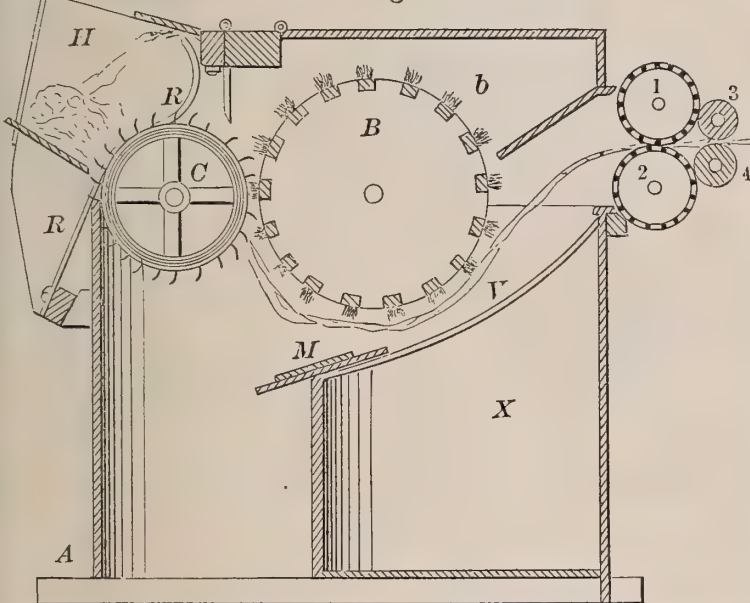
66200—I. Wing—*Sulky Plow.*



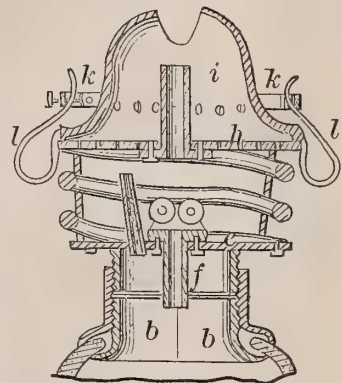
66201—C. W. Stafford—*Pavement.*



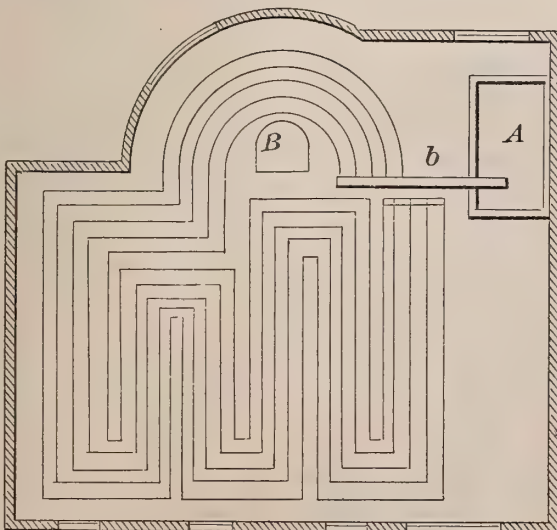
66202—H. V. Scattergood—*Cotton Gin.*



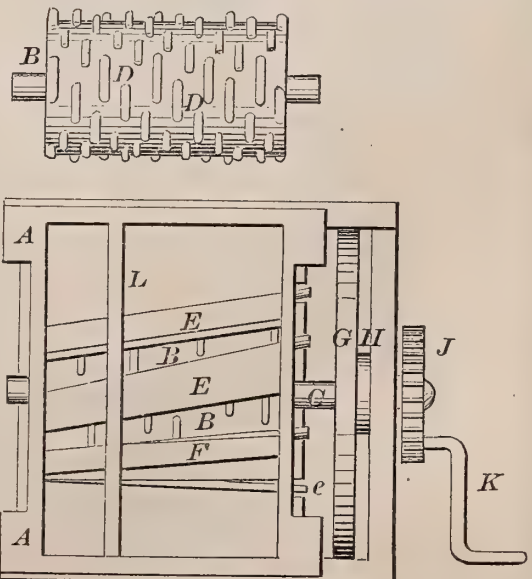
66203—P. Baker—*Lamp Burner.*



66206—J. R. Bowers—*Drying Brick.*

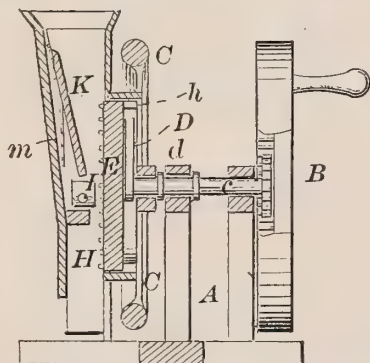
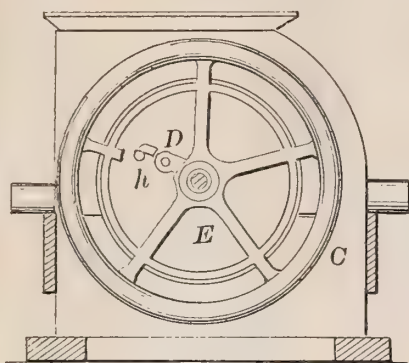


66205—G. Bevitt—*Corn Sheller.*

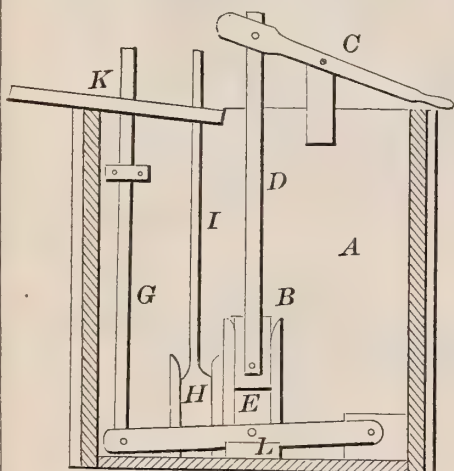




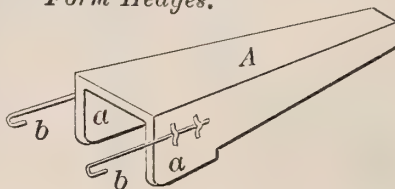
**66207**—E. W. Branch—*Cider Mill.*



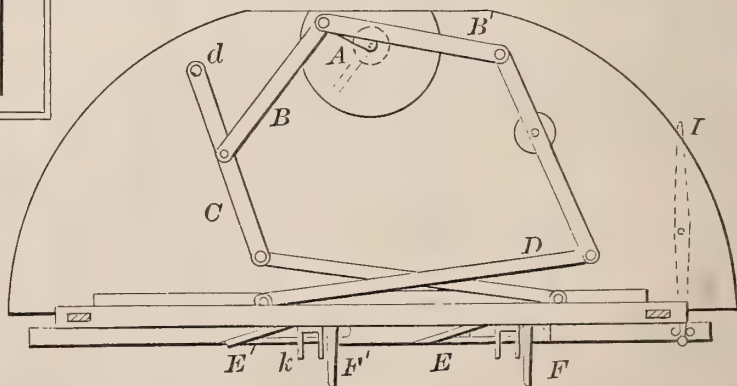
**66211**—R. Brusie—*For Gathering Apple Seeds.*



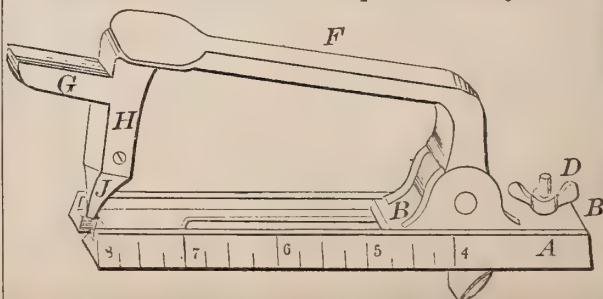
**66210**—C. D. Brown—*For Bending Down Plants to Form Hedges.*



**66214**—J. Busser—*Shifting Bucket Propeller.*



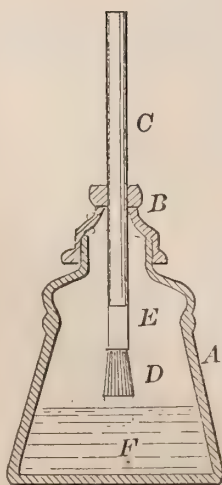
**66216**—A. Carson—*Clapboard Gauge.*



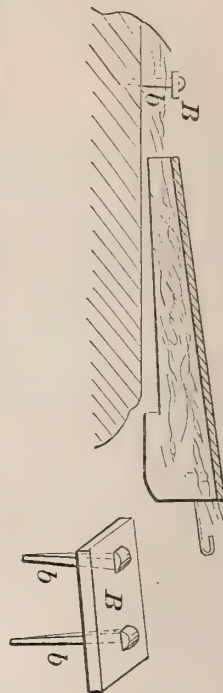
**66212**—W. Burnet—*Bottle Cup.*



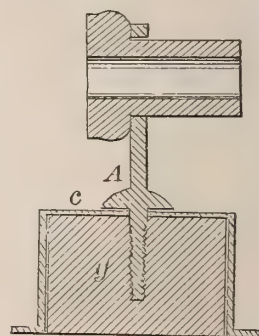
**66213**—W. Burnet—*Top for Mucilage Bottles.*



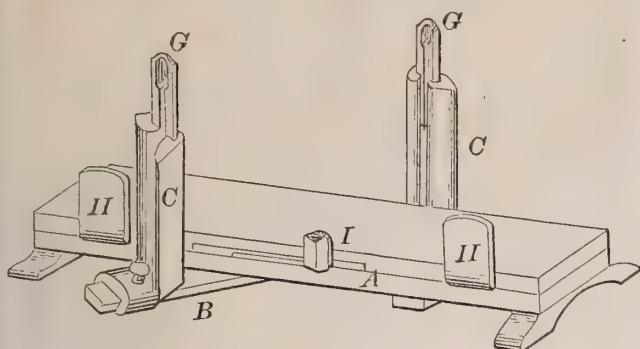
**66209**—C. D. Brown—*Hedge Fastener.*



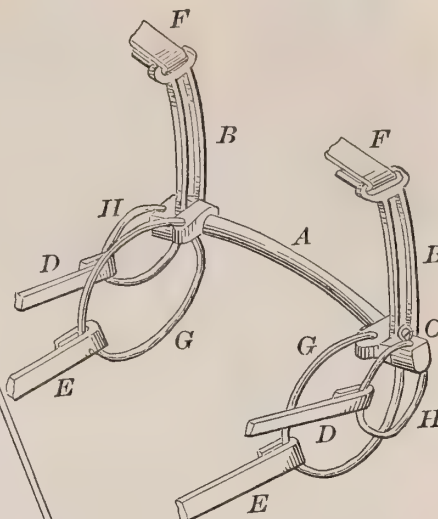
**66215**—R. Calrow—*Insulator Holder.*



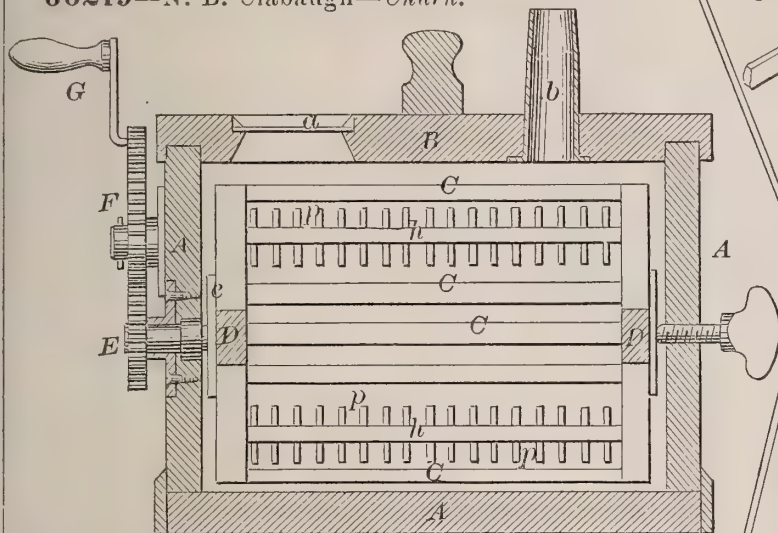
66217—E. C. Check—Mitre Box.



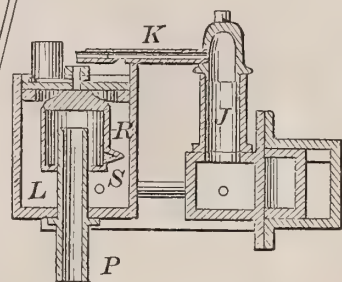
66221—J. M. Crawford—Bridle Bit.



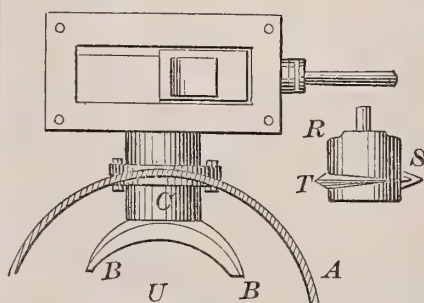
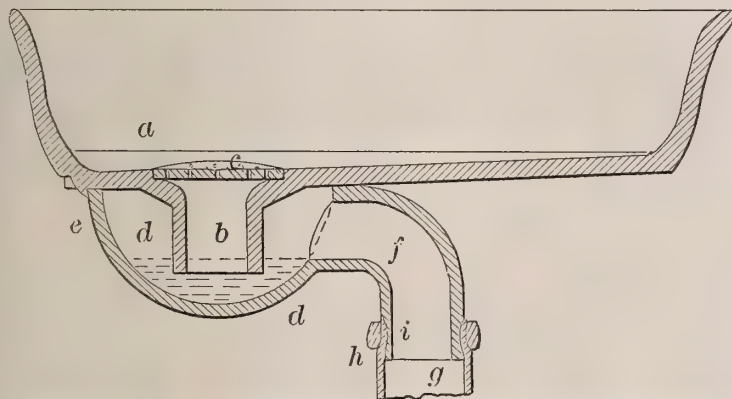
66219—N. B. Clabaugh—Churn.



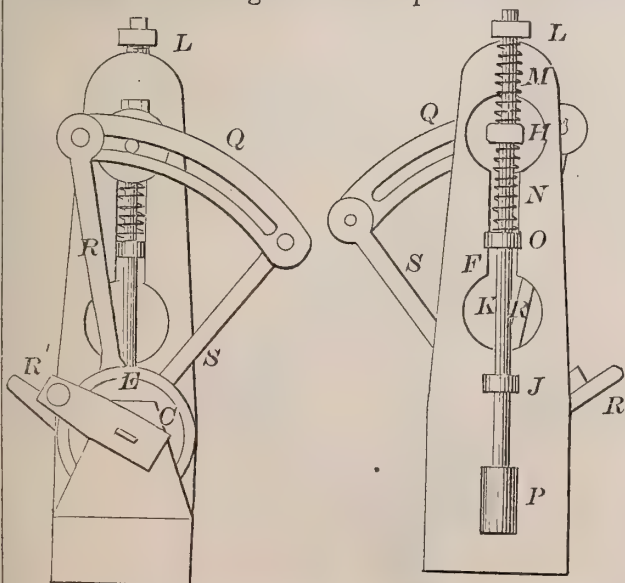
66223—J. Darling—Boiler Feeder.



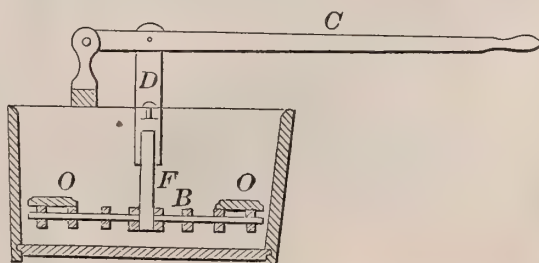
66220—H. H. Craigie—Sink.



66222—Cunningham & Sharp—Power Hammer.

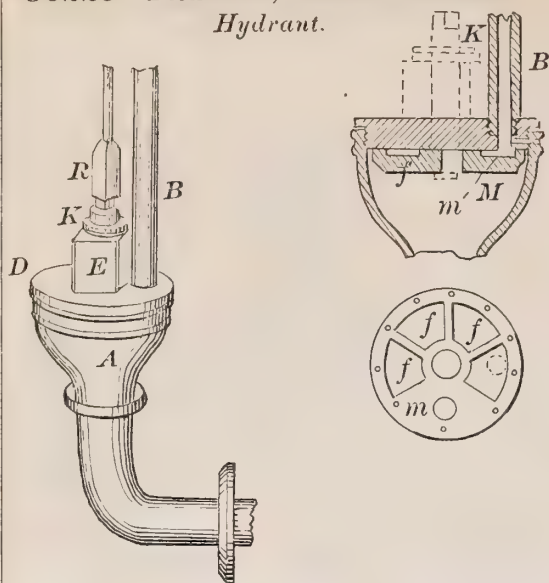


66224—S. Davis—Washing Machine.

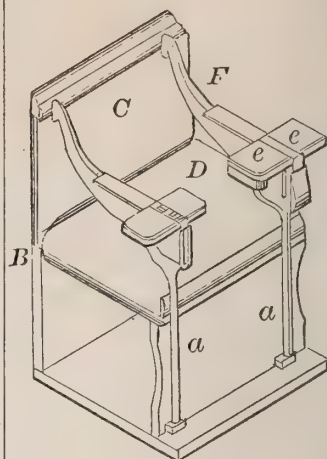




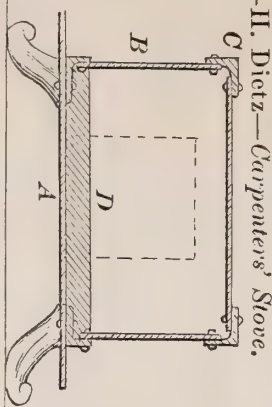
**66225**—Dickinson, Witman & Rabold—  
*Hydrant.*



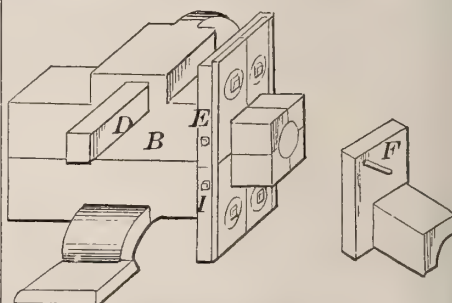
**66228**—A. S. Dotter—  
*Car Seat.*



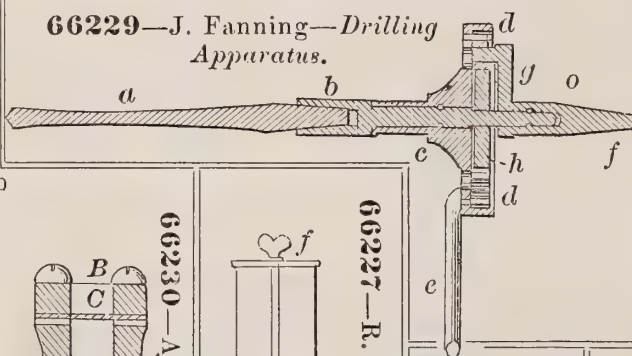
**66226**—H. Dietz—*Carpenter's Scribe.*



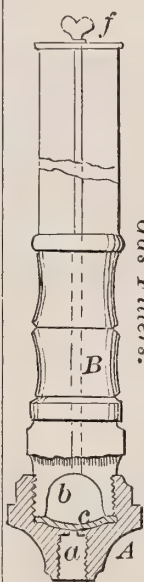
**66231**—R. Fidler—*For Forming Sheet Metal Tubes.*



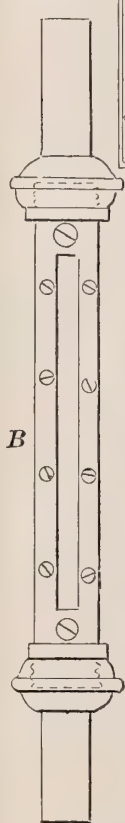
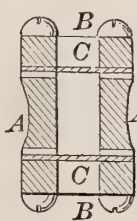
**66229**—J. Fanning—*Drilling Apparatus.*



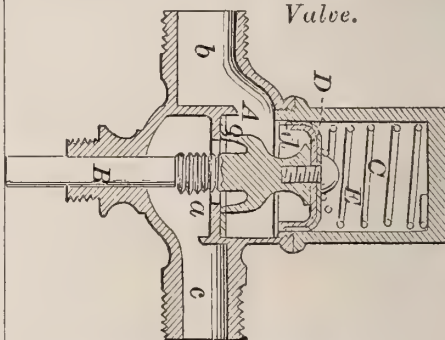
**66227**—R. B. Donaldson—*Pressure Gauge for Gas Fitters.*



**66230**—A. G. Fell—*Water Indicator for Boilers.*



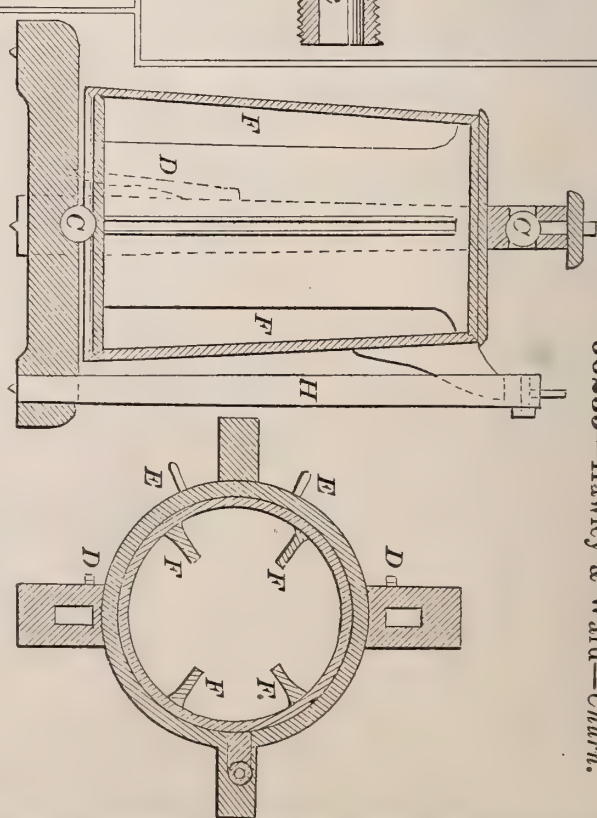
**66233**—J. Gilfillan—*Water Closet Valve.*



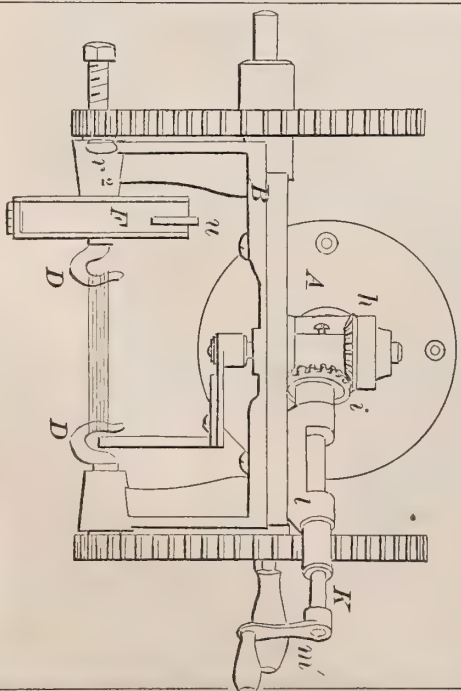
**66234**—C. T. Grilley—  
*Capping Pad Screw.*



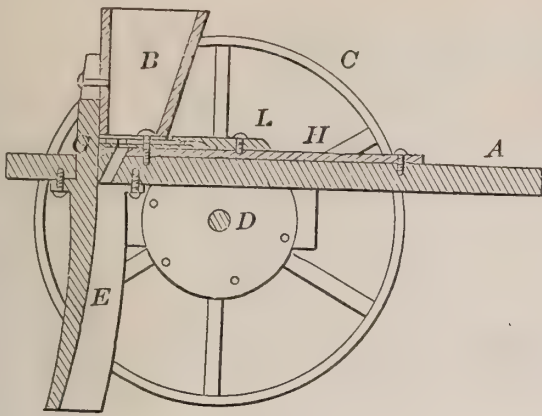
**66235**—Hawley & Ward—*Churn.*



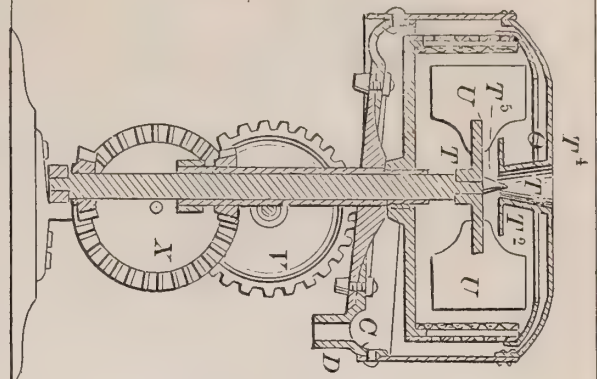
**66232**—C. Fisher—*For Skeining Silk, Thread, &c.*



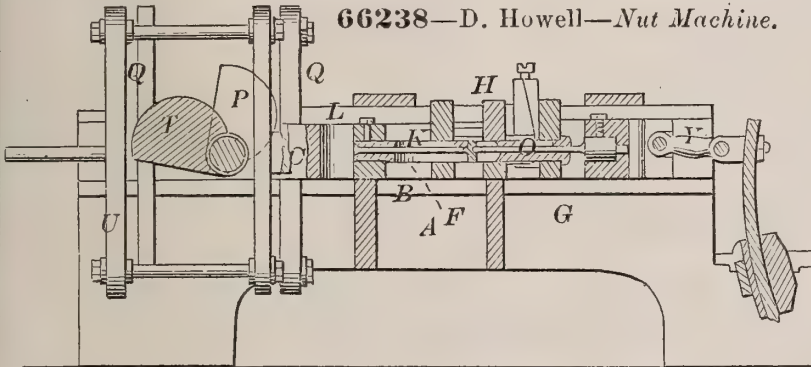
**66236**—G. E. Herriek—*Seed Planter.*



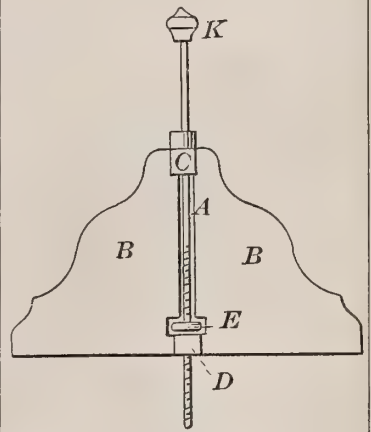
**66241**—C. Macumber—*For Draining Sugar.*



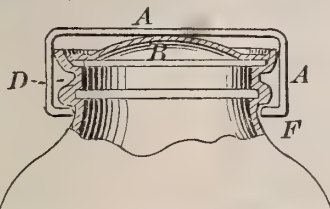
**66238**—D. Howell—*Nut Machine.*



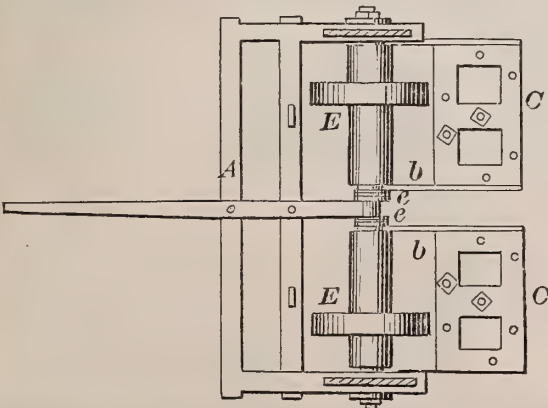
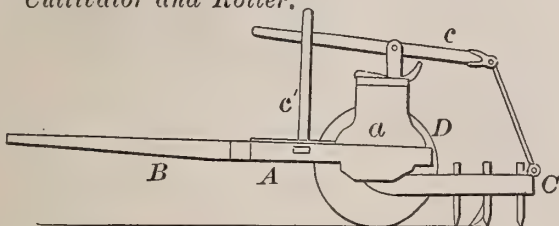
**66239**—I. A. Hurd—*Depth Gauge.*



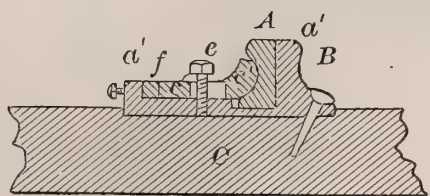
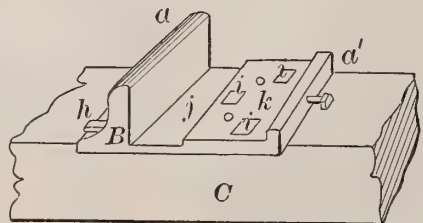
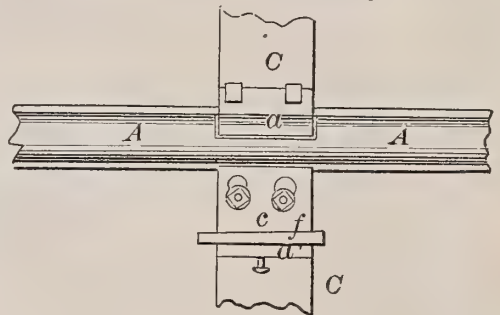
**66237**—E. D. Holman—*Fruit Jar.*



**66240**—J. Johnston—*Plow, Harrow, Cultivator and Roller.*



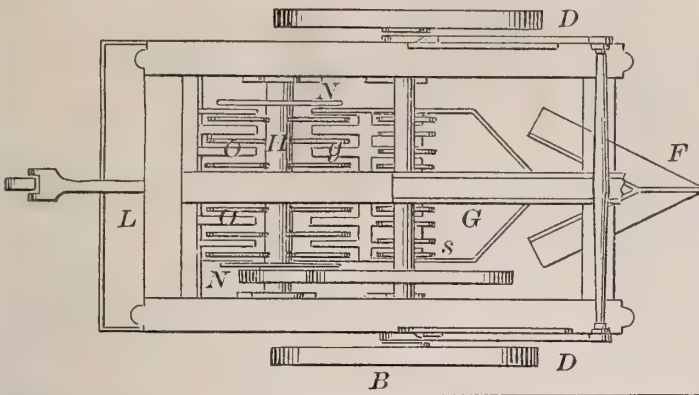
**66242**—J. Mohn—*Railway Chair.*



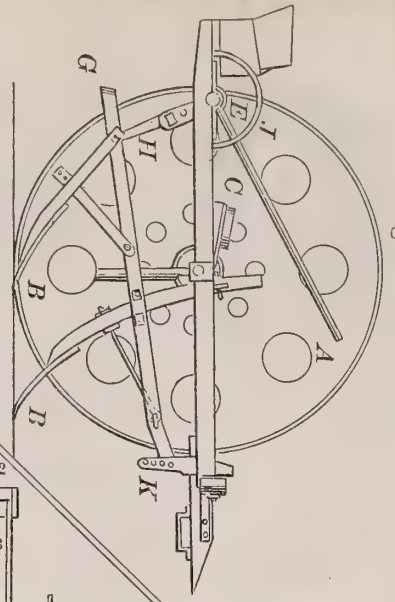




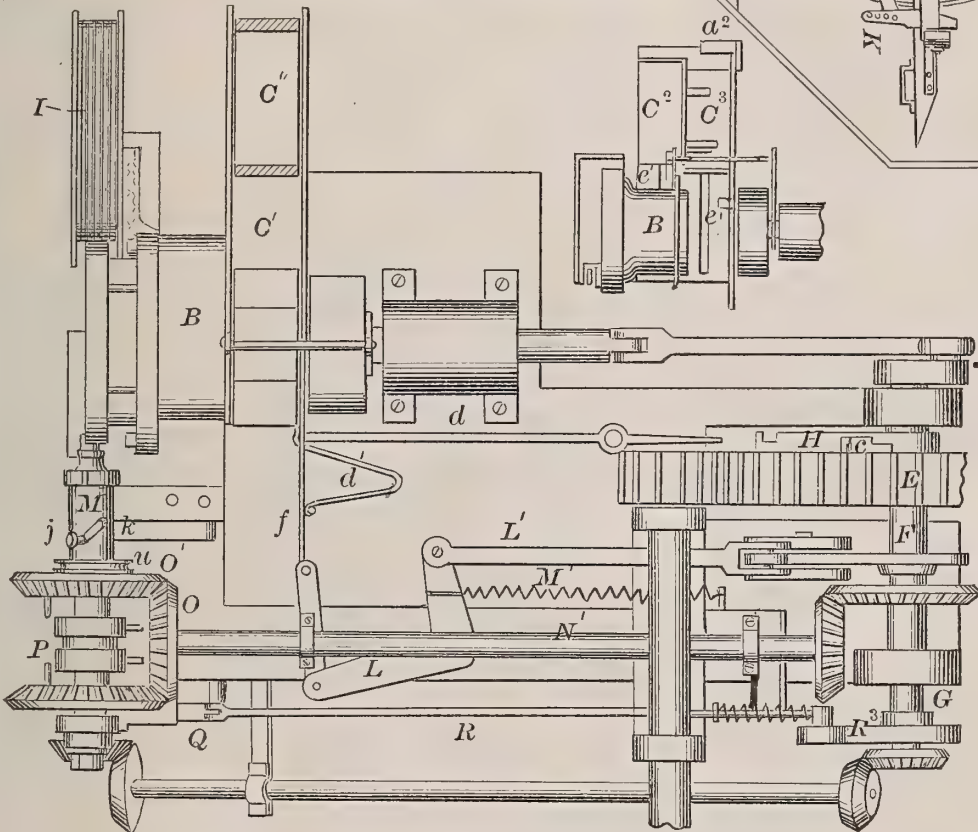
66252—C. H. Pickering—*Potato Digger.*



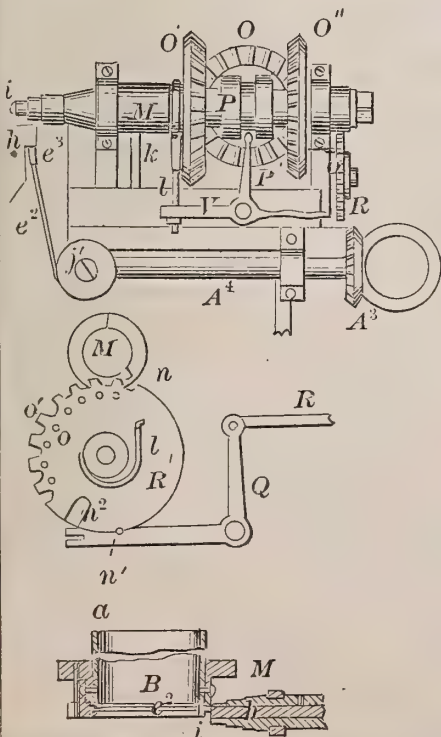
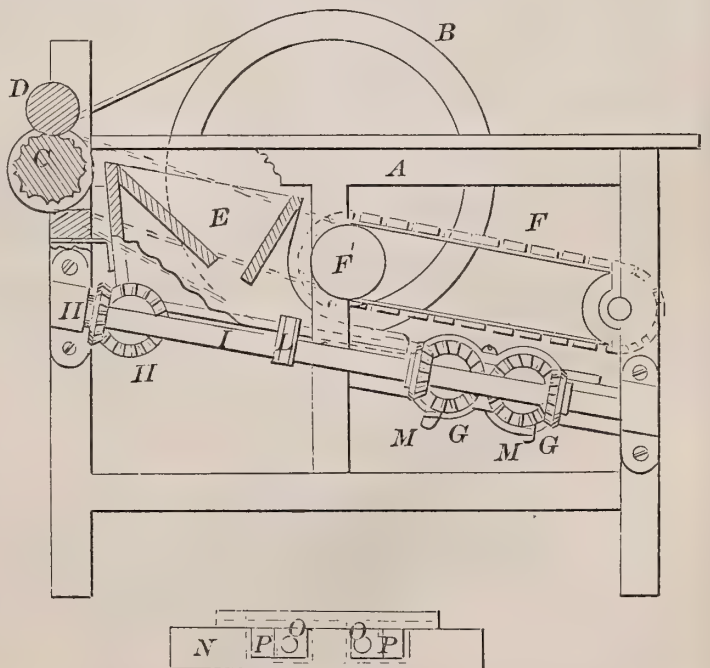
66253—M. Redinger—*Corn Plow.*



66254—Richardson & Stevens—*For Bundling Kindling Wood.*

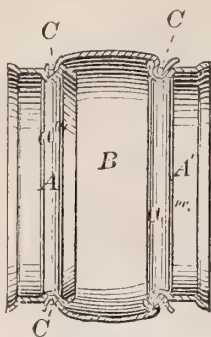


66255—D. Sager—*For Husking Corn.*

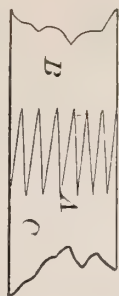




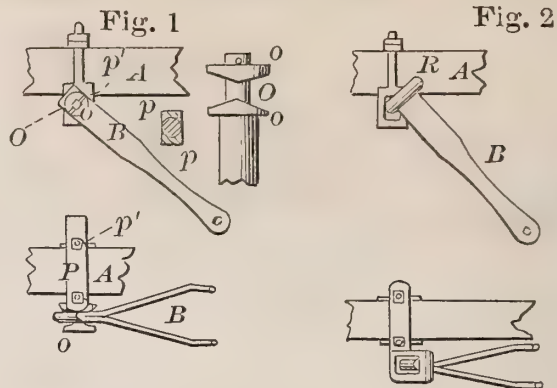
**66256**—J. Schatt—*Dry Gas Meter.*



**66261**—N. E. Smith—*Splicing Belting.*



**66260**—J. B. Skinner—*Plow.*



**66259**—J. B. Skinner—*Plow.*

Fig. 2

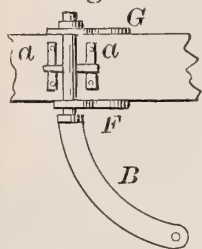


Fig. 1

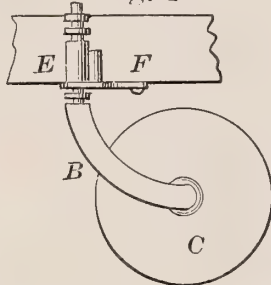
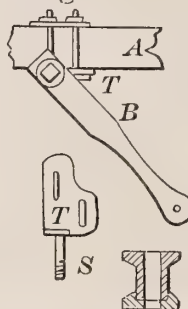


Fig. 3



**66258**—G. E. Sellers—*For Dressing Paper Pulp.*

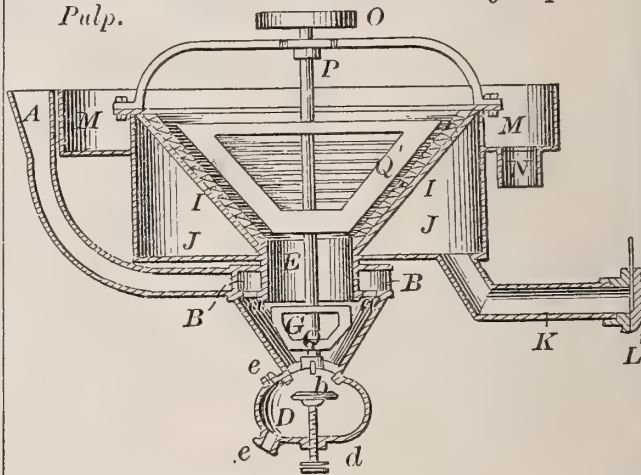


Fig. 5

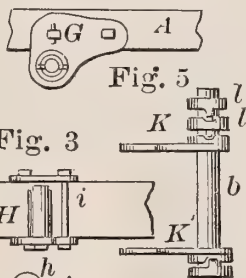


Fig. 3

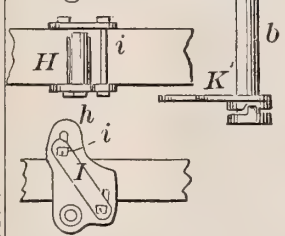
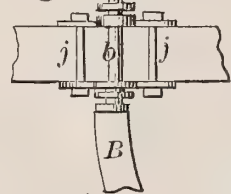


Fig. 4



**66263**—W. H. Sutherland—*Extension Umbrella.*

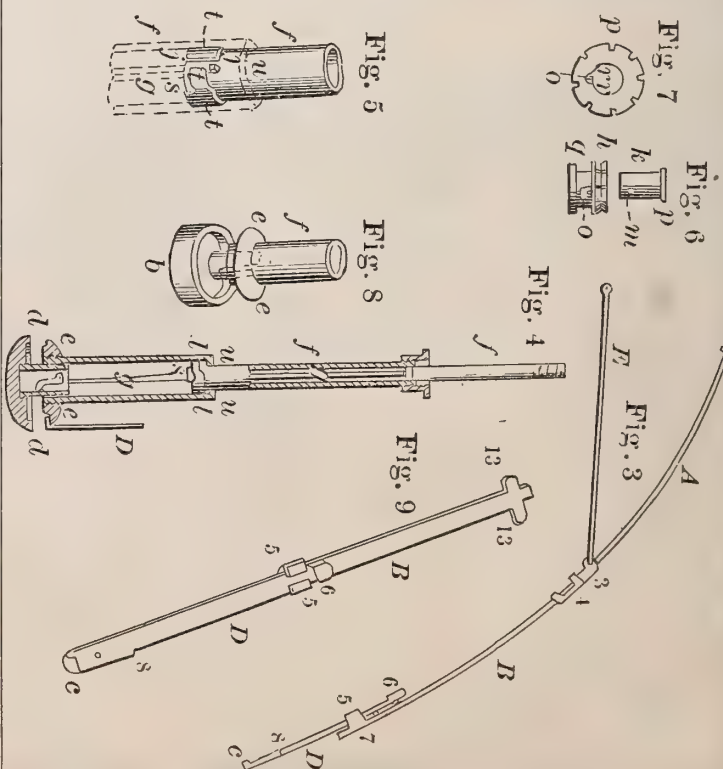


Fig. 5

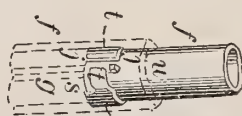


Fig. 8

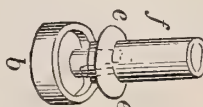


Fig. 9

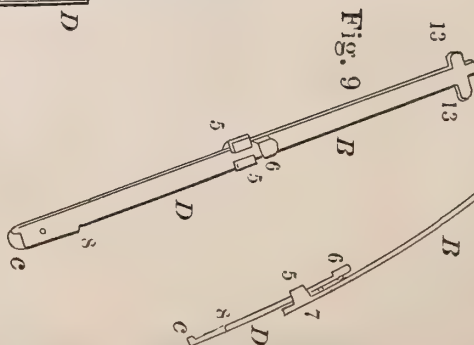


Fig. 7

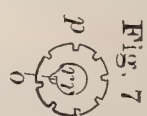
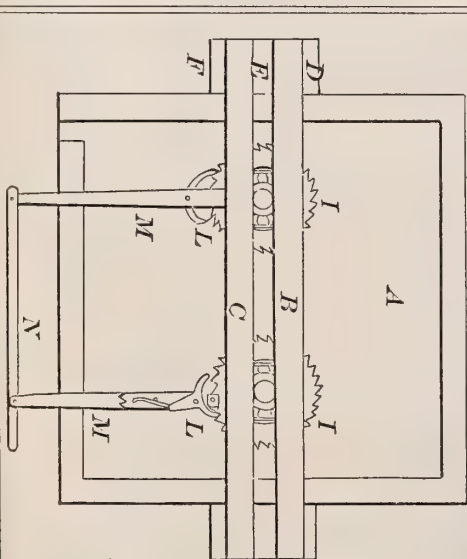
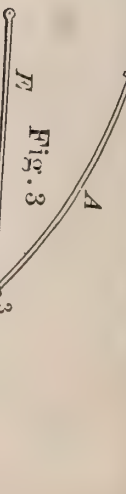


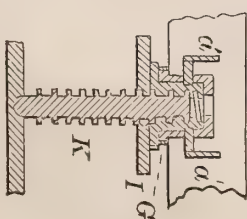
Fig. 6



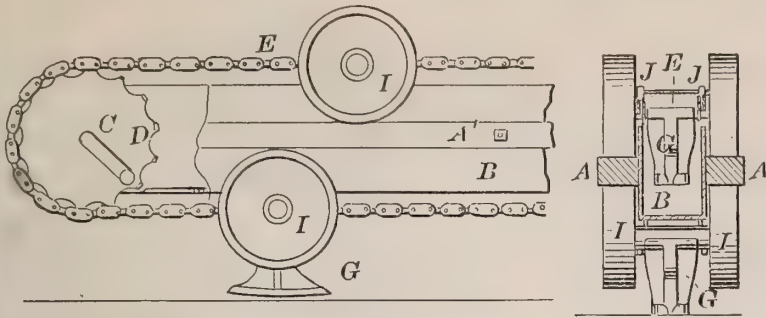
Fig. 3



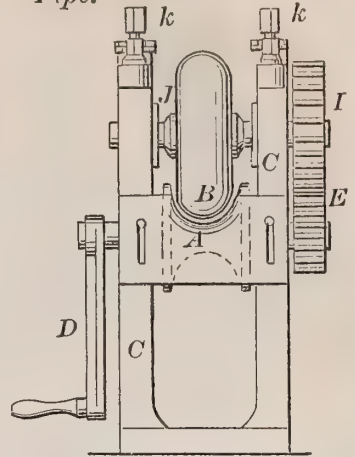
**66262**—A. D. Strong—*Cider Press.*



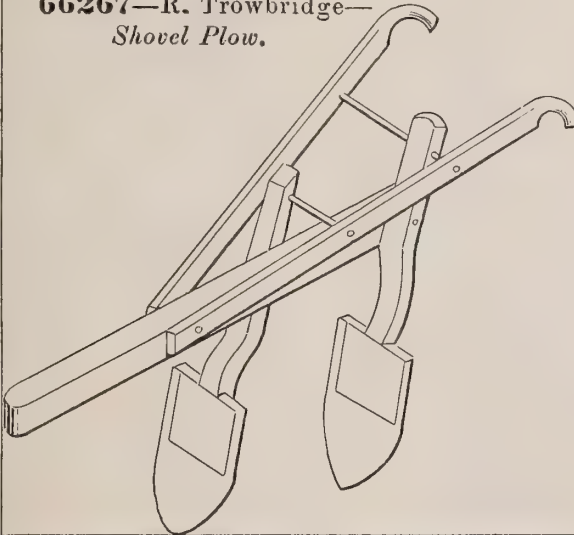
66264—A. Taylor—For Propelling Vehicles.



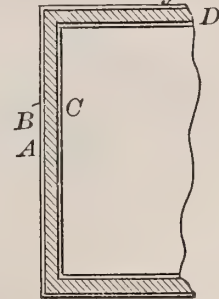
66265—Taylor & Wilson—For Rolling Stench Trap Pipe.



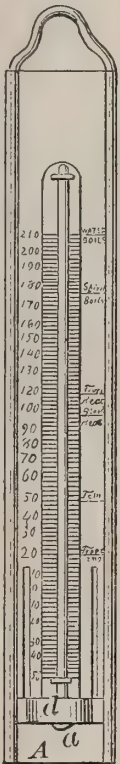
66267—R. Trowbridge—Shovel Plow.



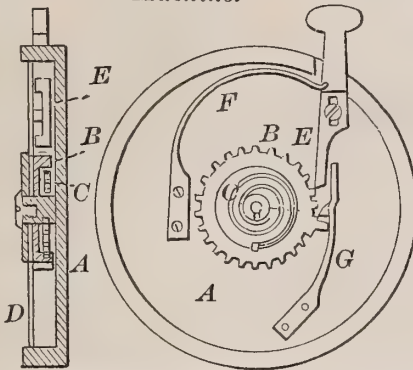
66268—C. L. Tucker—For Holding Lard.



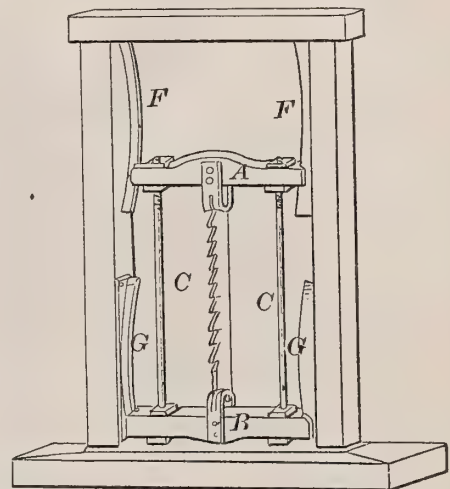
66266—L. C. Tower—Thermometer.



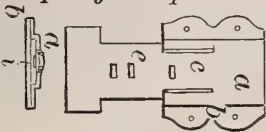
66269—U. Turner—Counting Machine.



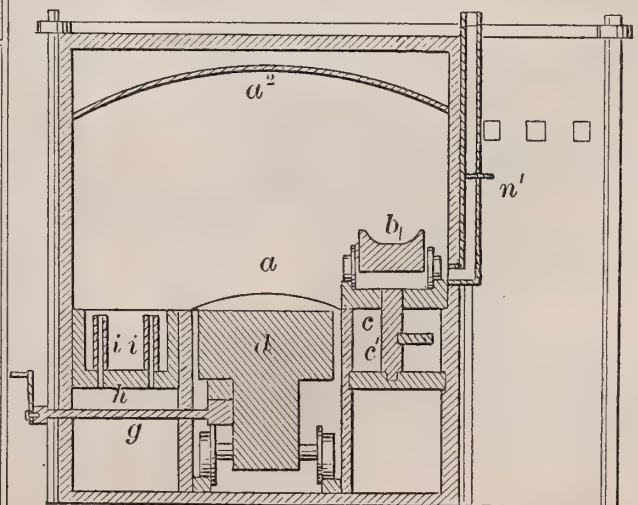
66271—C. Whipple—Saw Mill.



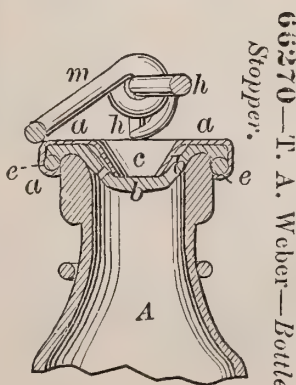
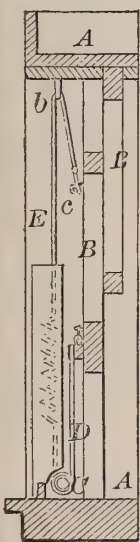
66273—A. C. & W. Wurzbach—Spring Clasp.



66274—T. A. Zellers—Manufacture of Glass.

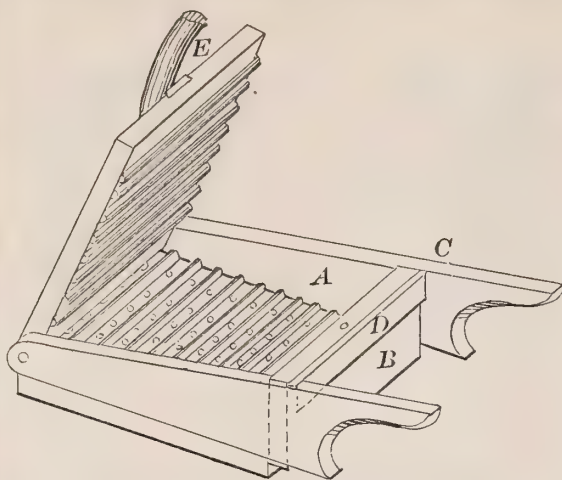
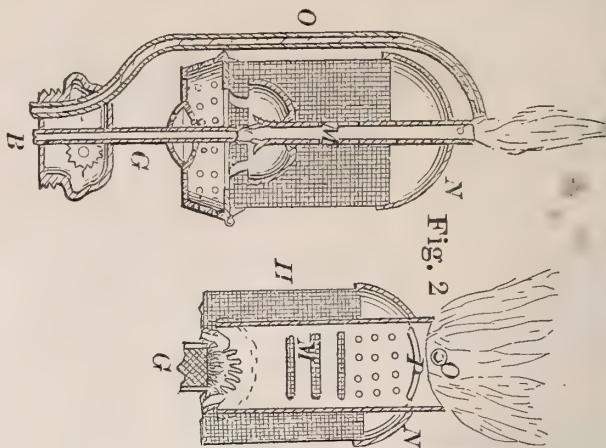
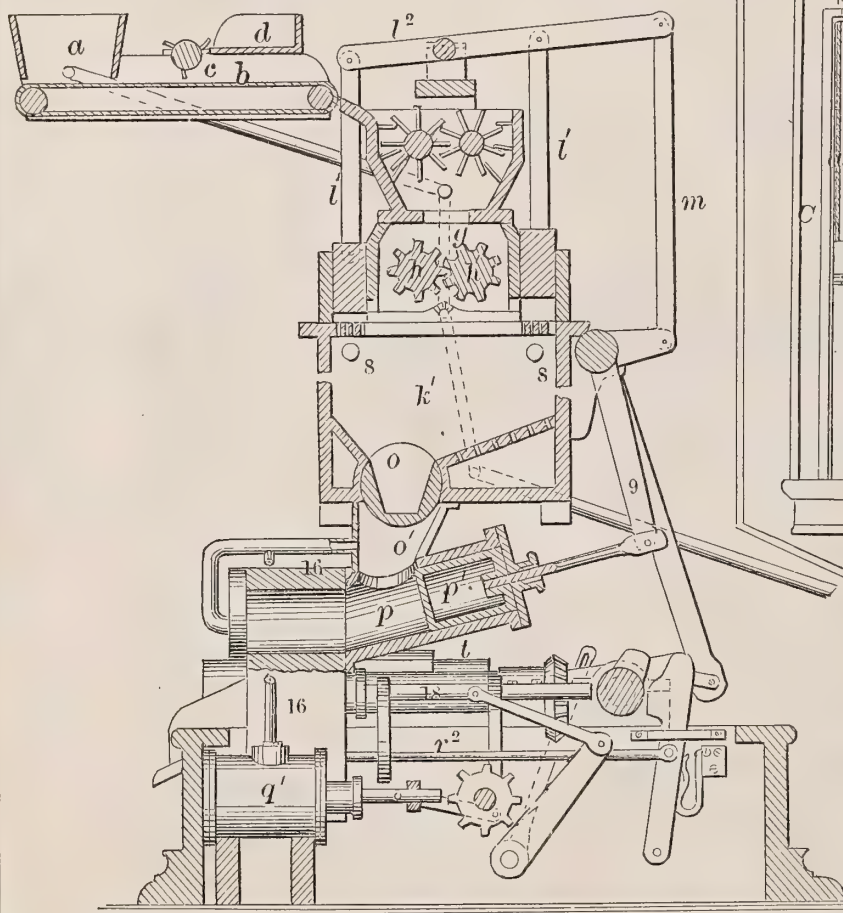
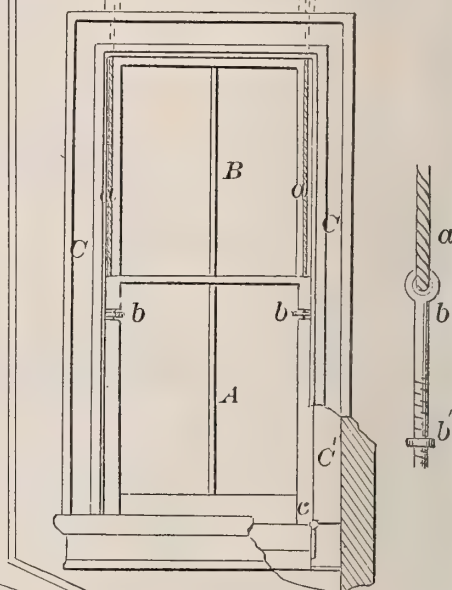
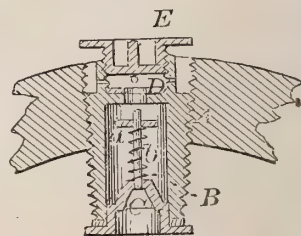
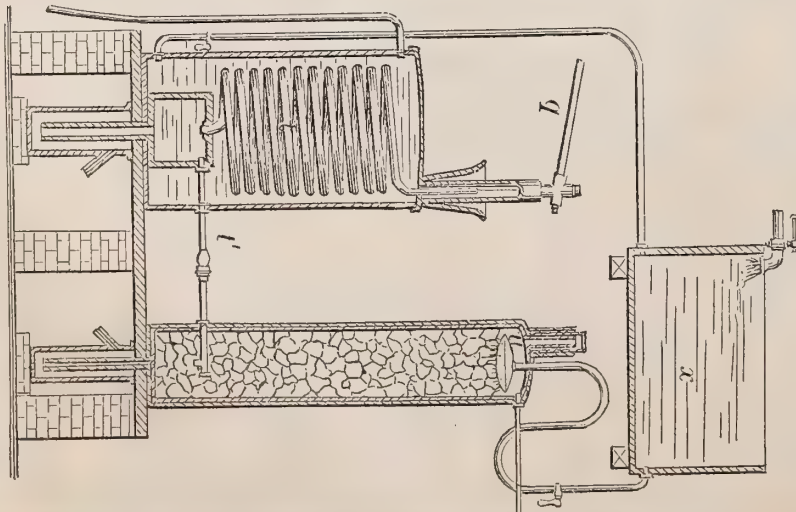
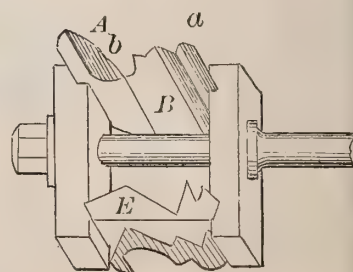


66272—T. D. Wright—Fly and Mosquito Bar for Windows.

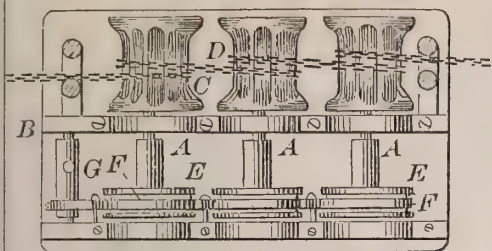


66270—T. A. Weber—Bottle Stopper.

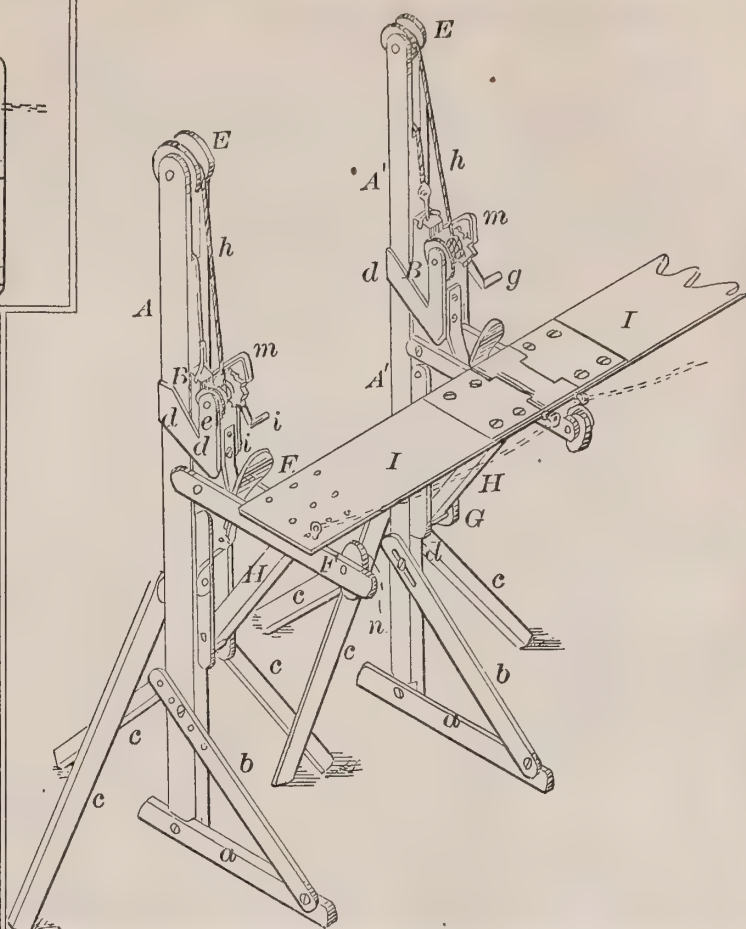


66275—O. M. Alger—*Washing Machine.*66278—J. K. Andrews—*Lamp.*66277—J. H. Ames—*For Preparing Peat for Fuel.*66276—C. Allen—*Hanging and Ventilating Window Sash.*66281—J. Bain—*Vent Plug.*66279—H. A. Archereau—*For Preparing Oxygen.*66280—E. J. Arens—*Cutter for Planing Moulding.*

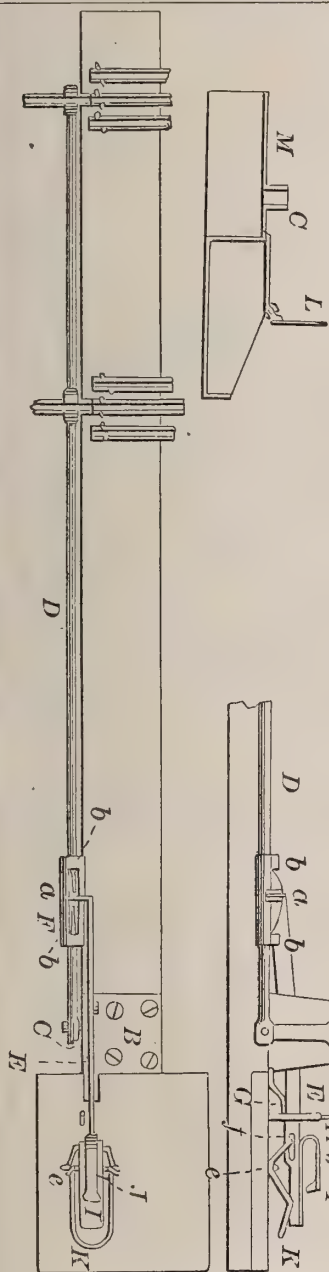
**66282**—W. D. Baker—*Windlass  
and Chain Stopper.*



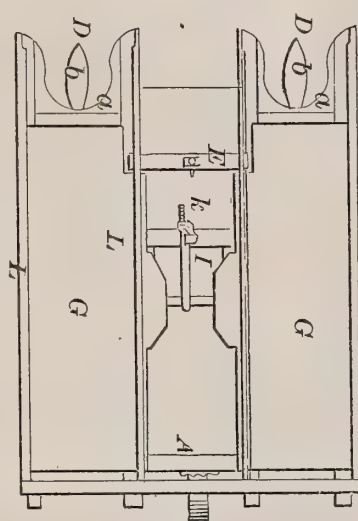
66286—B. Best—*Scaffold*.



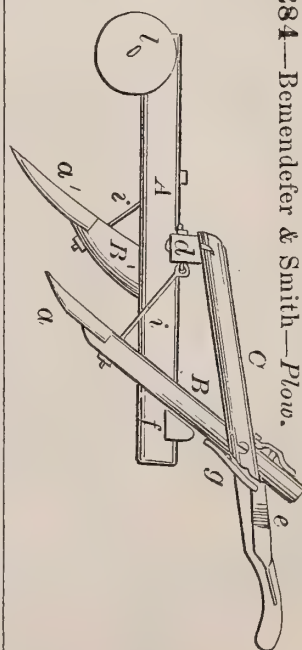
66283—L. M. Batty—*Railroad Switch.*



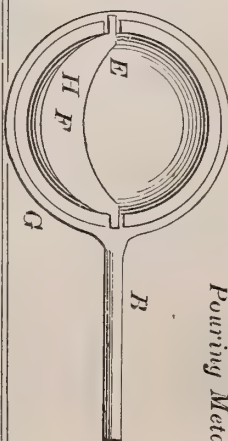
66287—H. Bilharz—*For Cutting Cornstalks.*



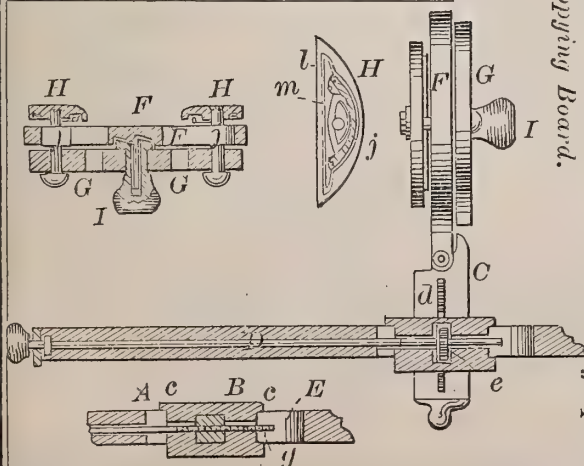
66284—Bemendefer & Smith—*Plow.*



66285—H. W. Benton—*Ladle for Pouring Metal.*

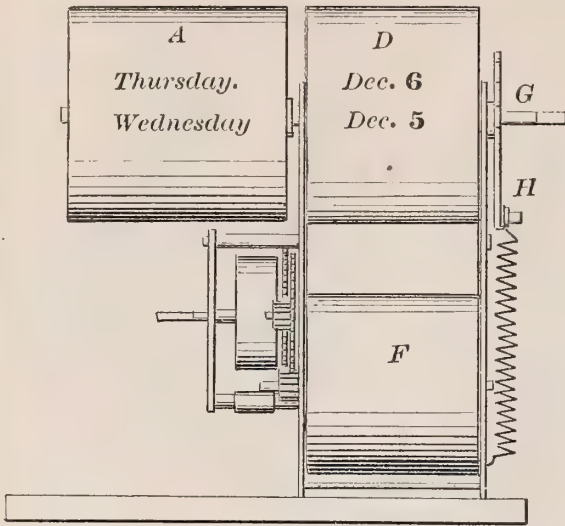


66288—W. D. Blackman—*Photographic Copying Board.*

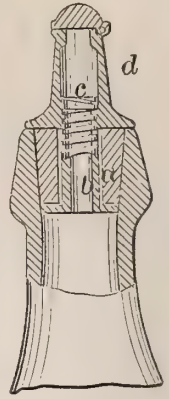




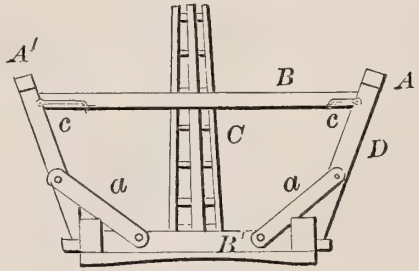
66289—A. Boardman—Calendar for Clocks.



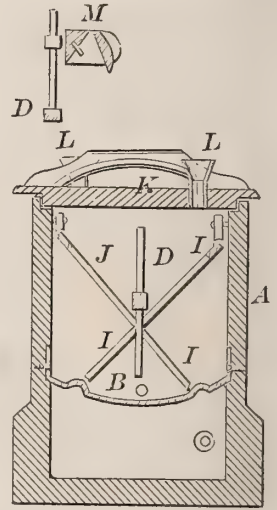
66290—R. E. Boemades—Bottle Stopper.



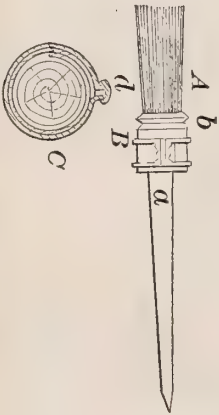
66292—C. G. Boyer—Hay Rack.



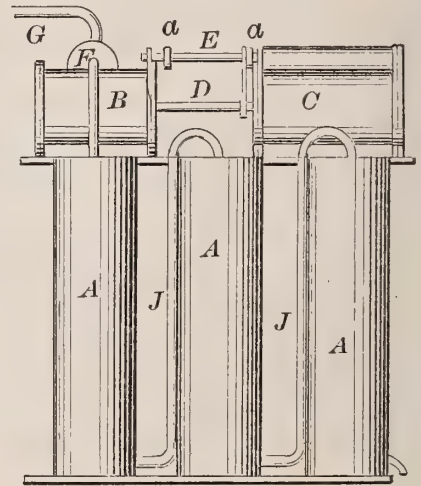
66295—J. F. Brown—Churn.



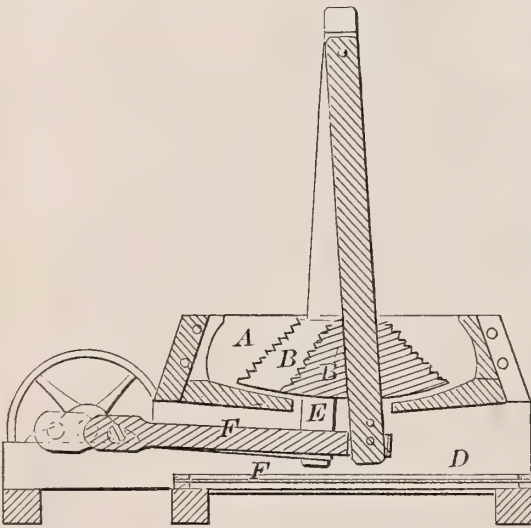
66291—J. D. Bonney—Paint Brush.



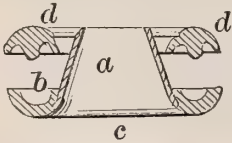
66293—C. N. Brock—Pressure Filter.



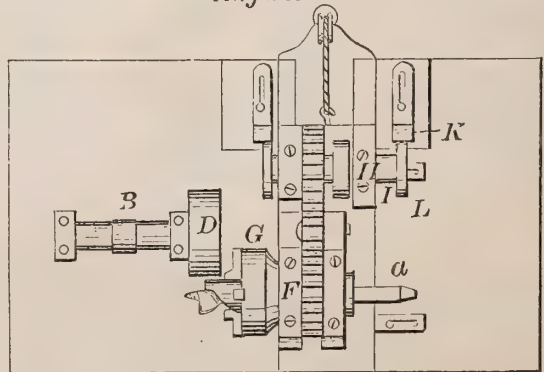
66294—J. M. Brown—For Cleaning and Softening Sheep Skins.



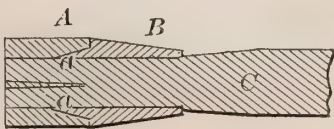
66296—W. Brown—Grommet.



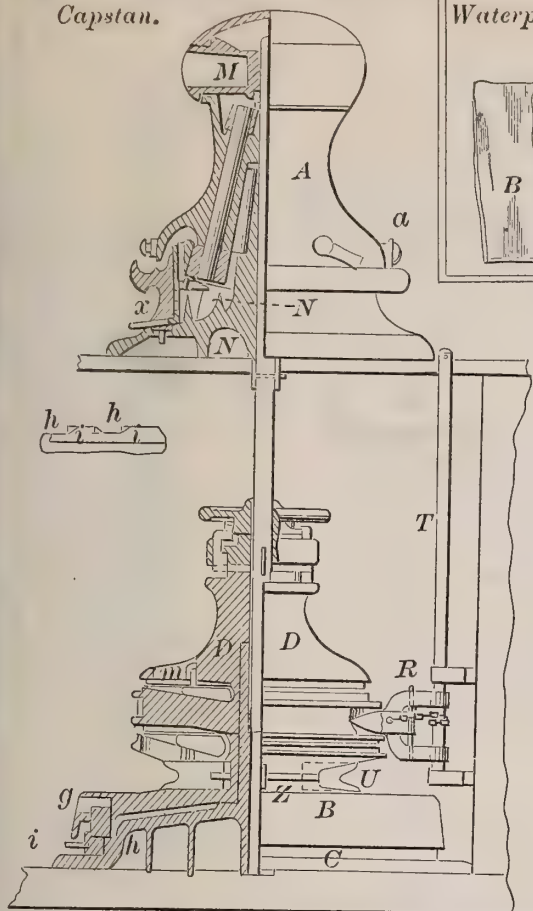
66297—E. O. & E. Carrington—For Cutting down Augers.



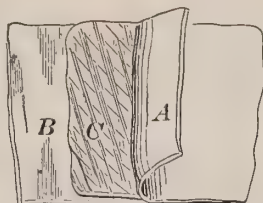
66298—H. Chency—Construction of Hammers.



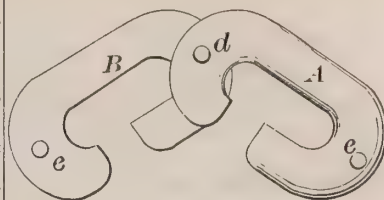
**66299**—D. N. B. Coffin, Jr.—  
*Capstan.*



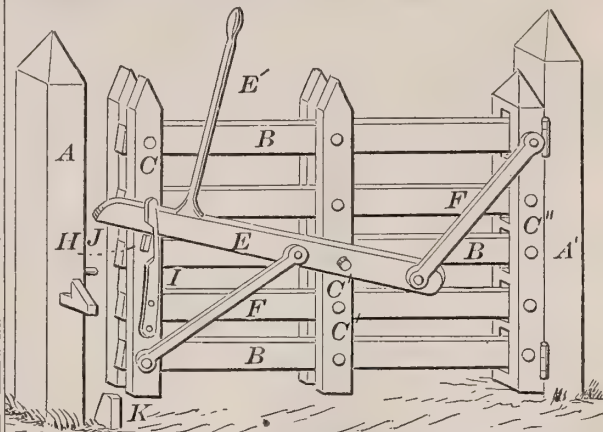
**66302**—L. M. Crane—  
*Waterproof Paper Fabric.*



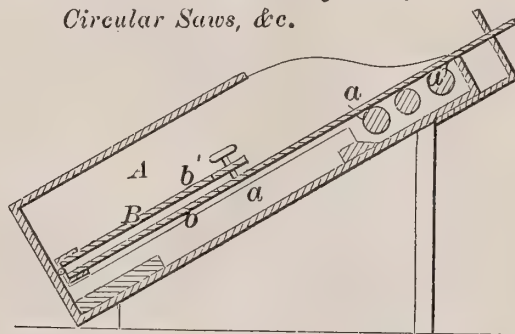
**66303**—R. Creuzbaur—  
*Connecting Link.*



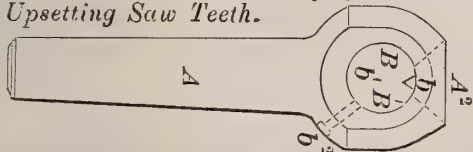
**66300**—A. W. Cox—*Farm Gate.*



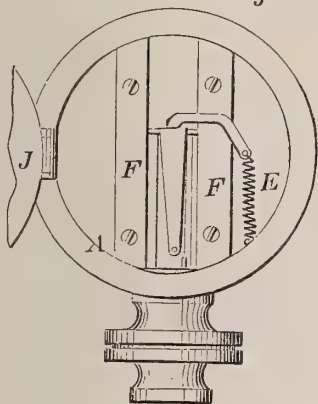
**66305**—J. Crookes—*Hardening Pan for  
Circular Saws, &c.*



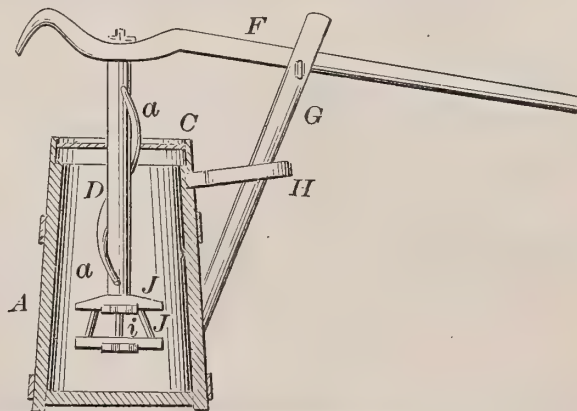
**66304**—J. Crookes—*Swage for  
Upsetting Saw Teeth.*



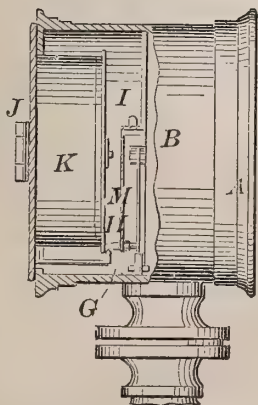
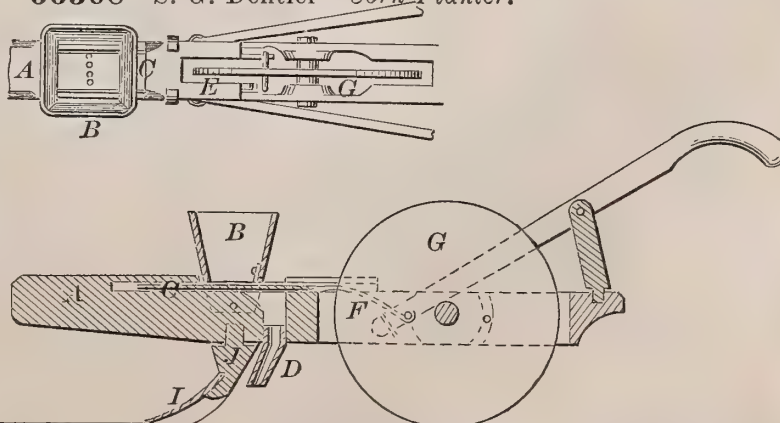
**66307**—D. P. Davis—*Registering Steam  
Gauge.*



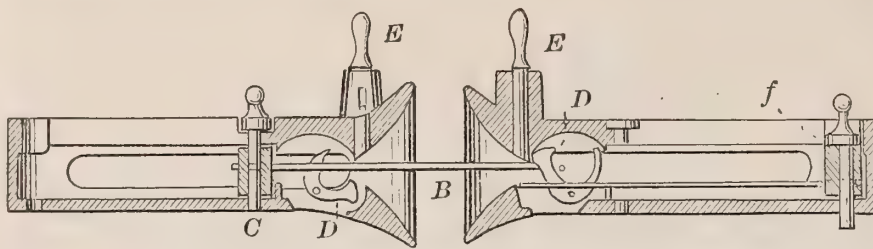
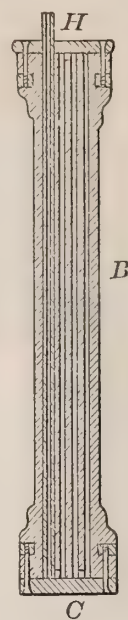
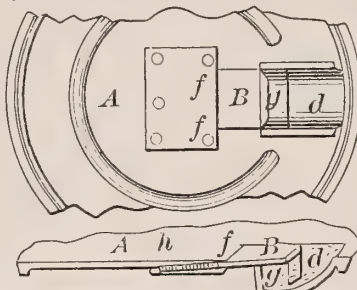
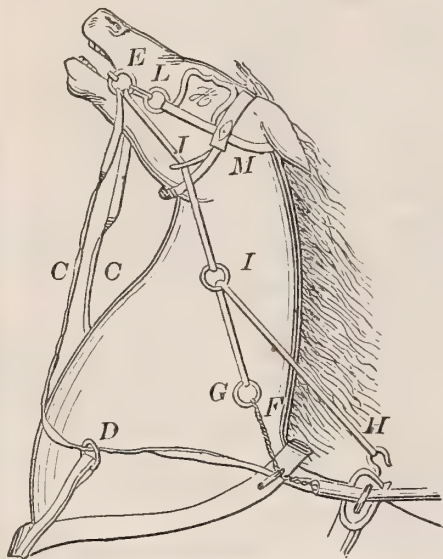
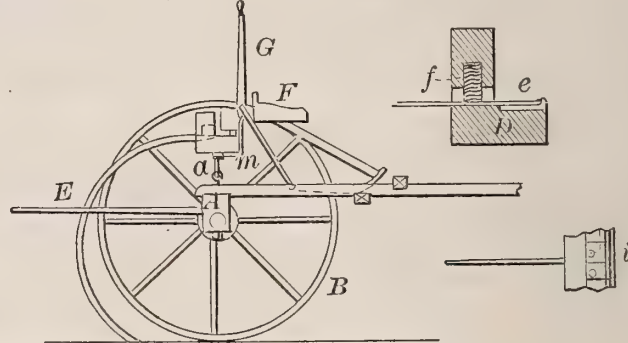
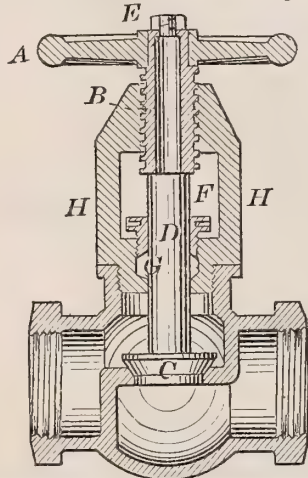
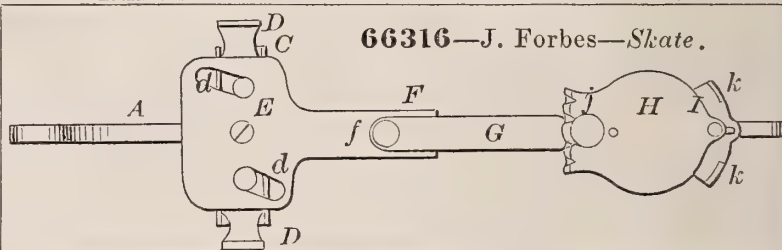
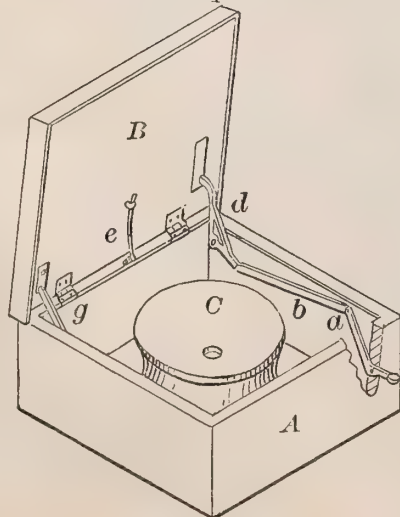
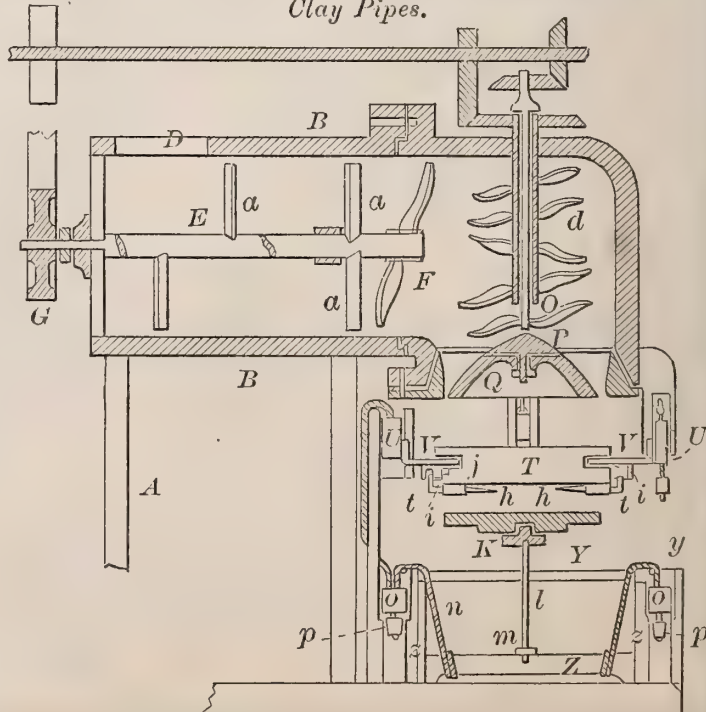
**66306**—J. Davison—*Churn.*



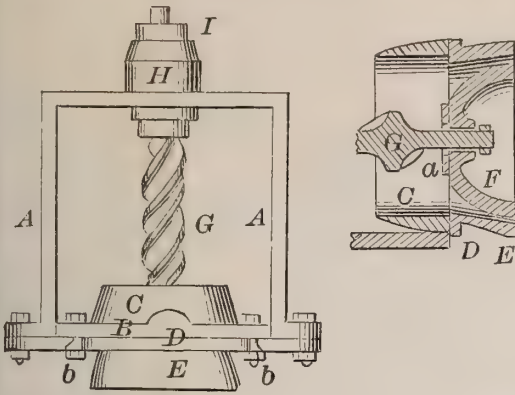
**66308**—S. G. Dentler—*Corn Planter.*



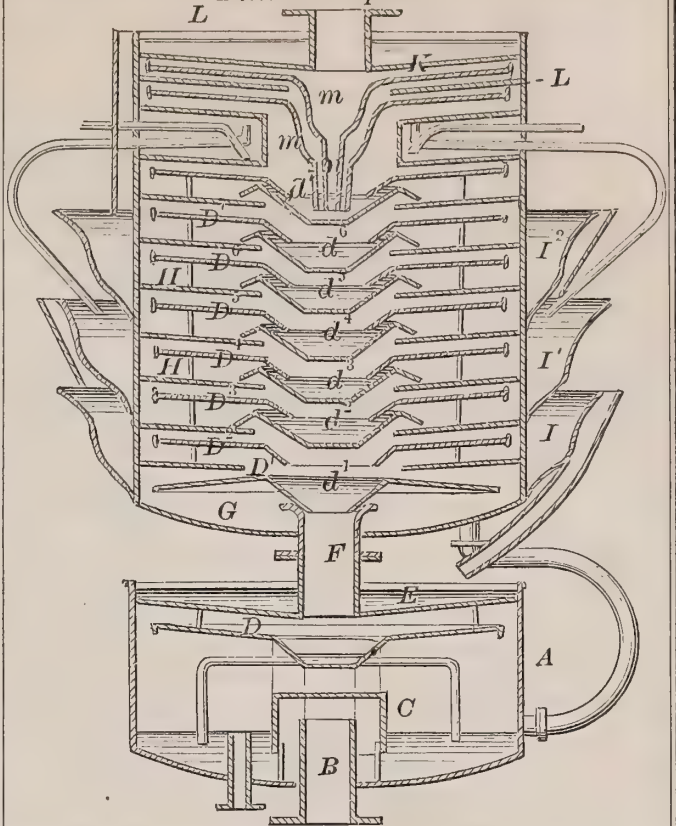


**66309**—Depeu & Hall—*Car Coupling.***66311**—Donaldson & Quinn—*Steam Gauge.***66317**—W. J. Fryer—*Pattern for Casting Pot Hole Covers.***66312**—D. M. Donehoo—*Safety Bridle.***66314**—Eberly & Hauck—*Horse Rake.***66318**—J. J. French—*Globe Valve for Steam Engines.***66316**—J. Forbes—*Skate.***66313**—A. J. Doolittle—*Spittoon Envelope.***66319**—G. D. & H. A. Goodrich—*Manufacture of Clay Pipes.*

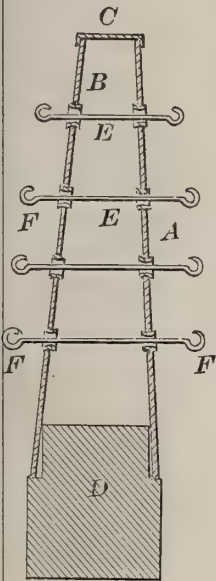
**66320**—H. A. Goodrich—*Manufacture of Clay Pipes.*



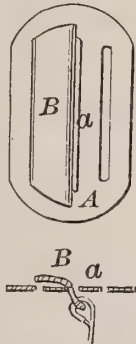
**66323**—Gresiuehna & Jarchow—*For Rectifying Distilled Liquids.*



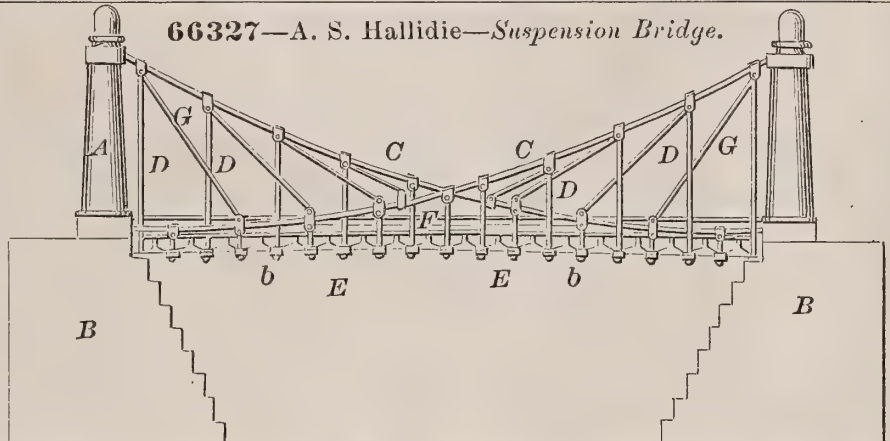
**66321**—A. W. Gore—*Fence Post.*



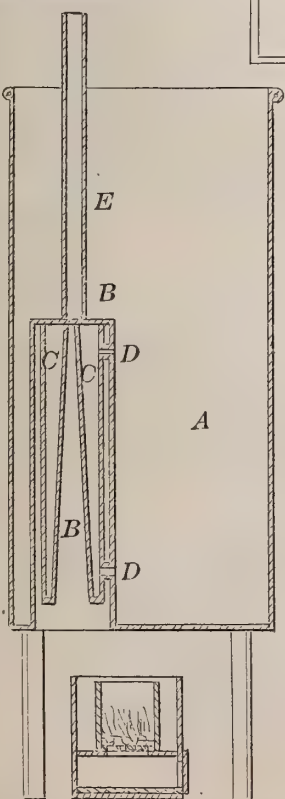
**66324**—H. C. Giggs—*Buckle.*



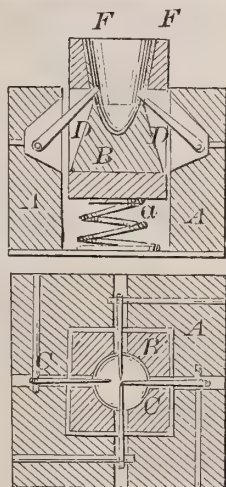
**66327**—A. S. Hallidie—*Suspension Bridge.*



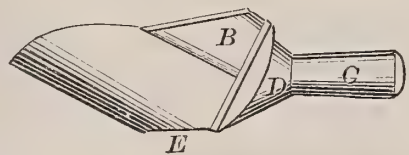
**66329**—C. A. Harper—*Boiler for Heating Water.*



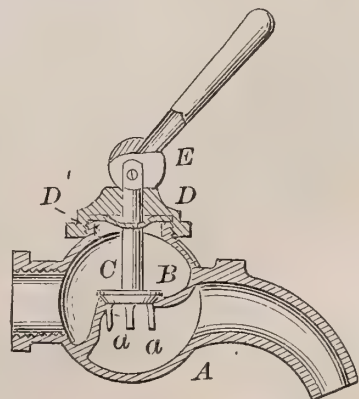
**66325**—O. Guinand—*For Performing Cigars.*



**66322**—D. N. Green—*Hand Scoop.*



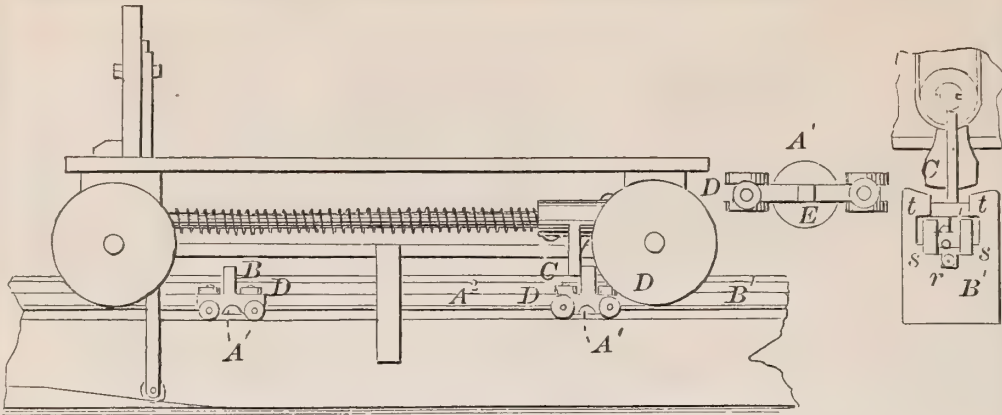
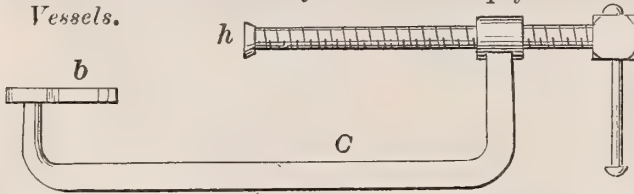
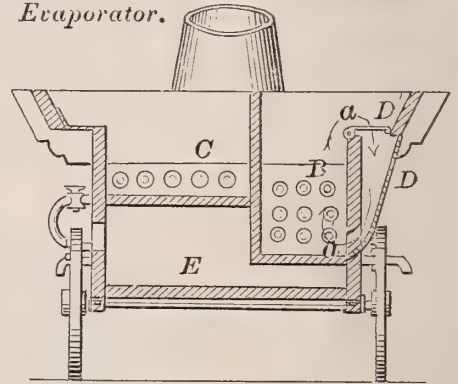
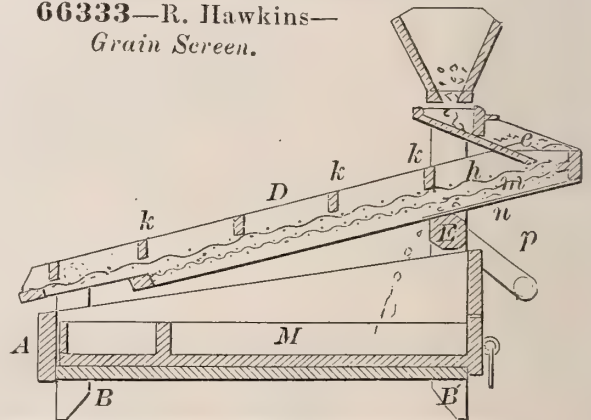
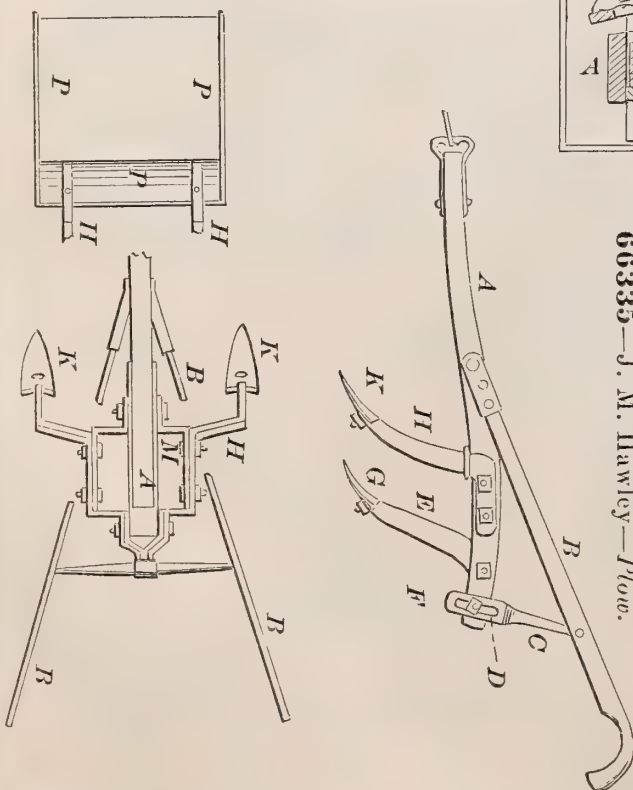
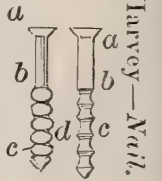
**66326**—G. D. Hadley—*Stop Cock.*



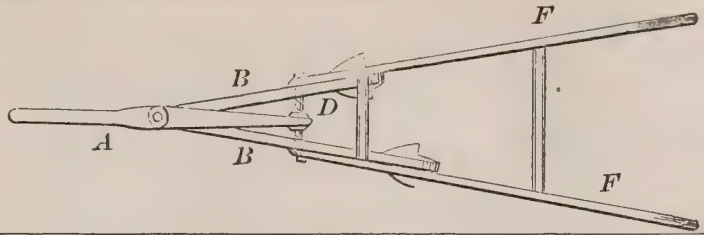
**66328**—T. C. Hargrave—*Railway Chair.*



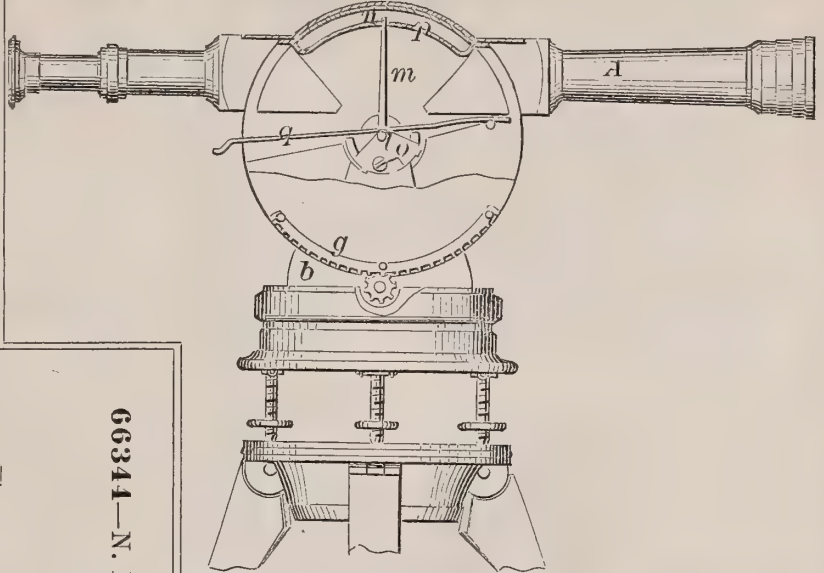


**66330**—C. T. Harvey—*Propelling Cable for Railroad Guides.***66332**—J. D. Hathaway—*Screw Clamp for Planking Vessels.***66334**—B. R. Hawley—*Sorghum Evaporator.***66336**—J. Hazen—*Beehive.***66333**—R. Hawkins—*Grain Screen.***66337**—L. Heath—*For Detecting Counterfeited Bank Notes, &c.***66335**—J. M. Hawley—*Plow.***66331**—H. A. Harvey—*Nail.*

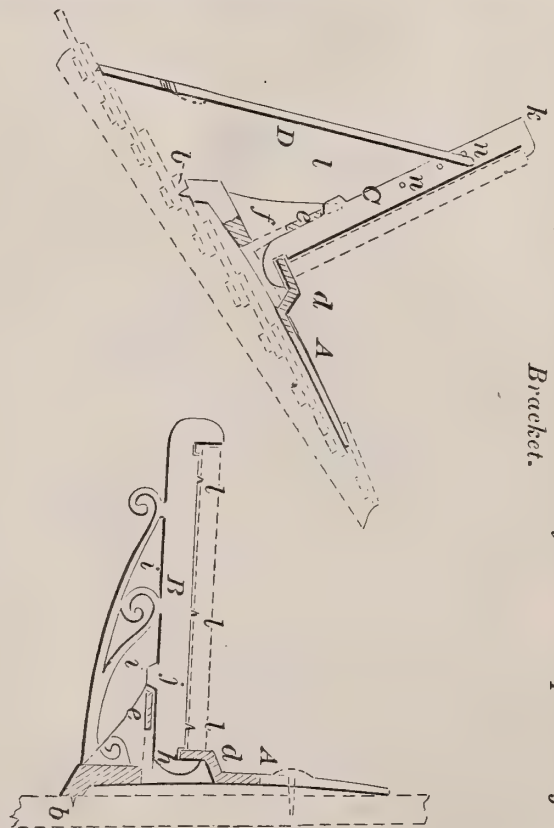
**66340**—S. H. Herrick—*Cultivator*.



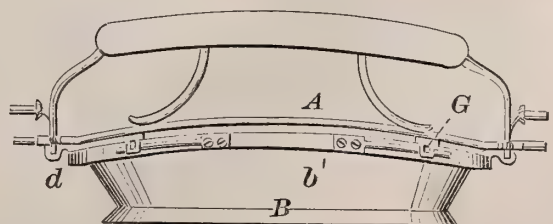
**66342**—N. Hollingsworth—*Graduating Level.*



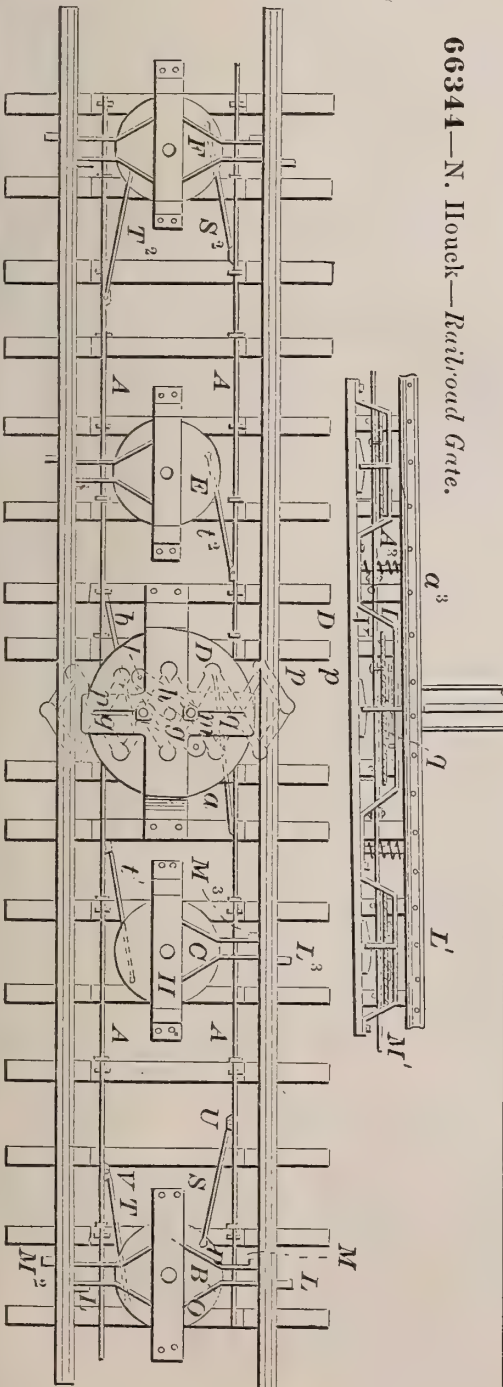
66341—Holden, Mooers, Stratton & Reynolds—*Clapboarding*  
*h* *Bracket.*



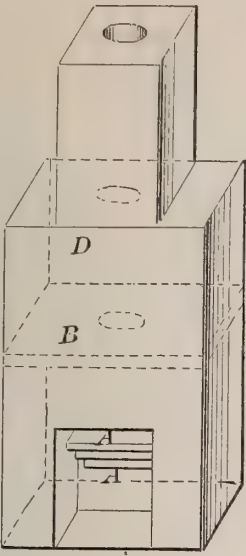
**66343**—H. F. Holt—*Shifting Rail for Carriages.*



66344—N. Houck—*Railroad Gate.*

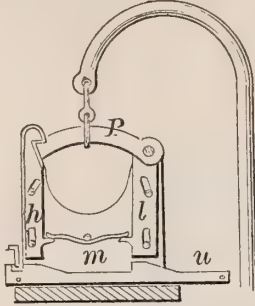


66339—J. Reed—*Chimney.*

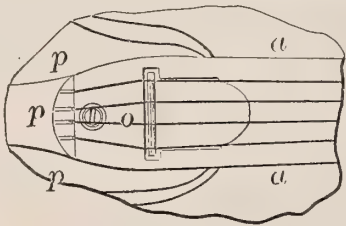
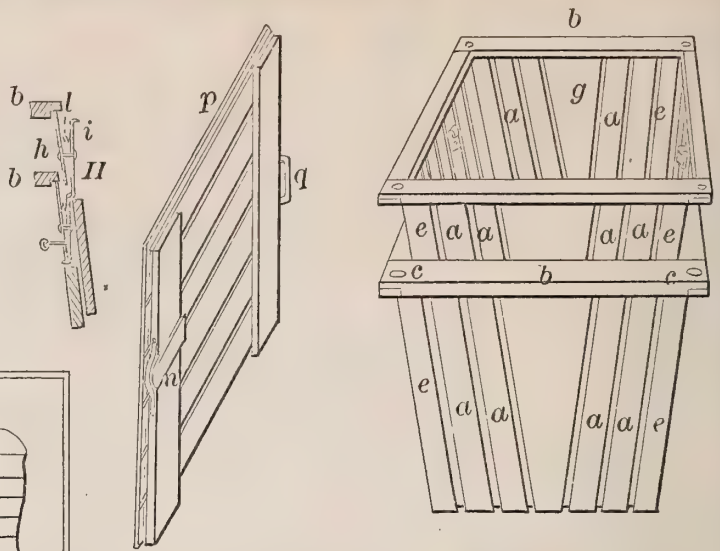




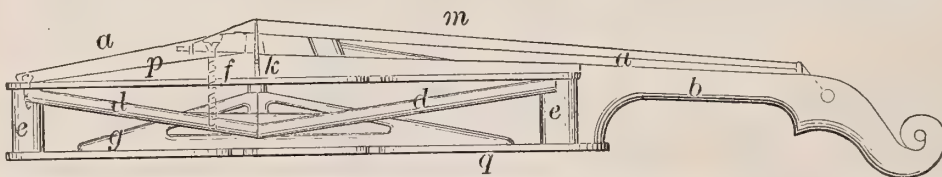
**66345**—W. H. Houston—*Boat Detaching Apparatus.*



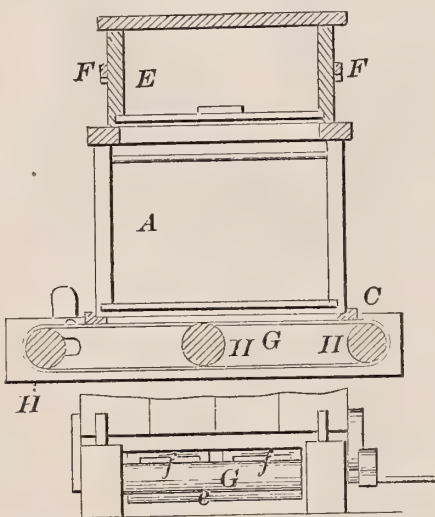
**66346**—W. Huey—*Fruit Box.*



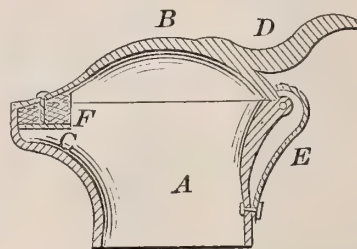
**66347**—G. H. Hulskamp—*Violin.*



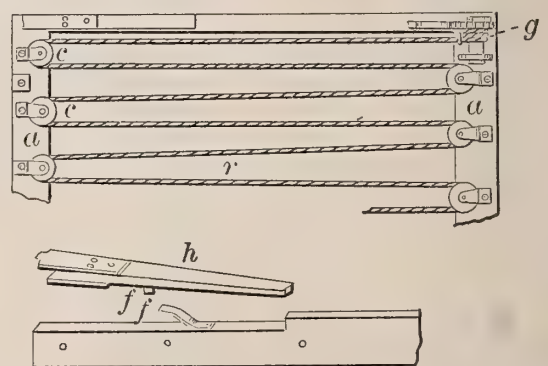
**66348**—S. Hutchinson—*Beehive.*



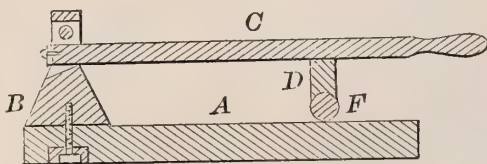
**66349**—Hyslop & Phillips—*Syrup Pitcher.*



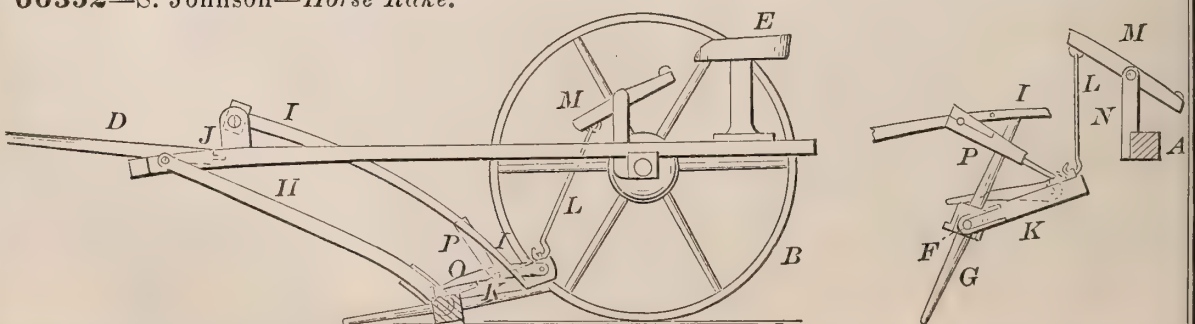
**66350**—W. B. Ingersoll—*Bed Bottom.*



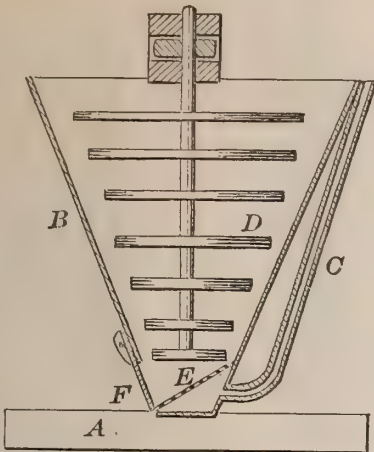
**66351**—C. C. Johnson—*Dough Kneader.*



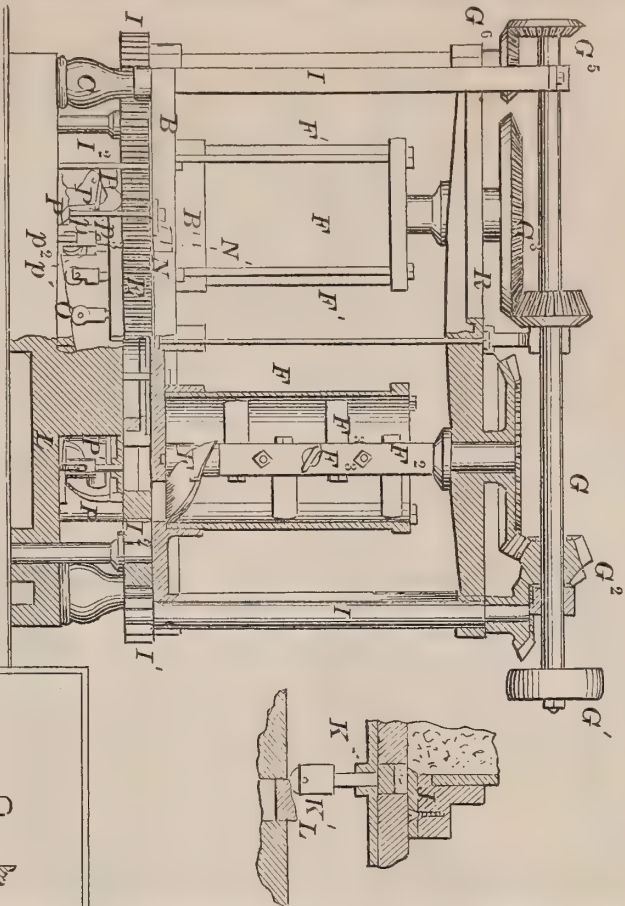
**66352**—S. Johnson—*Horse Rake.*



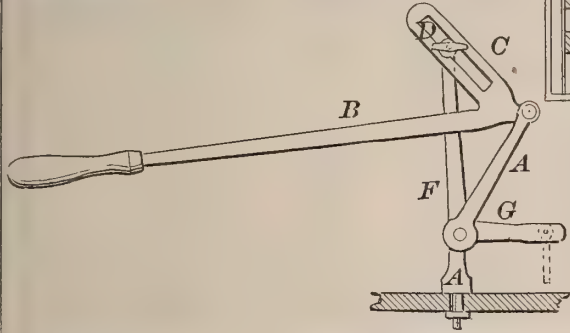
**66353**—Joy & Campbell—*Bleaching Paper Pulp.*



**66355**—P. H. Kells—*Brick Machine.*



**66360**—N. King—*Throttle Valve Gear.*



**66358**—H. Kewley—*For Digging Potatoes.*

Fig. 3

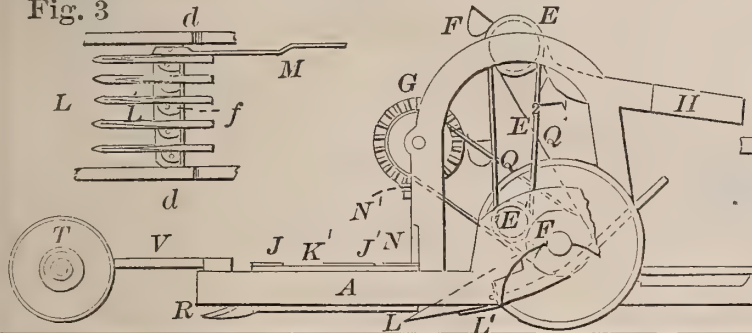


Fig. 6

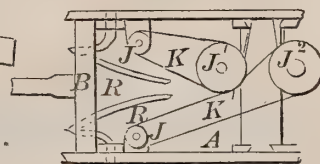
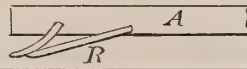
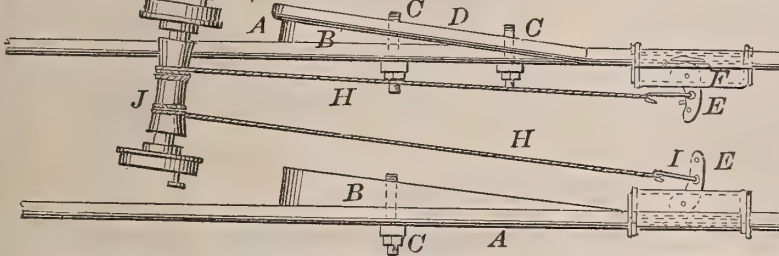


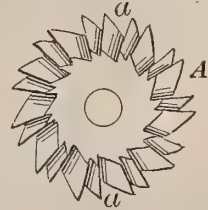
Fig. 7



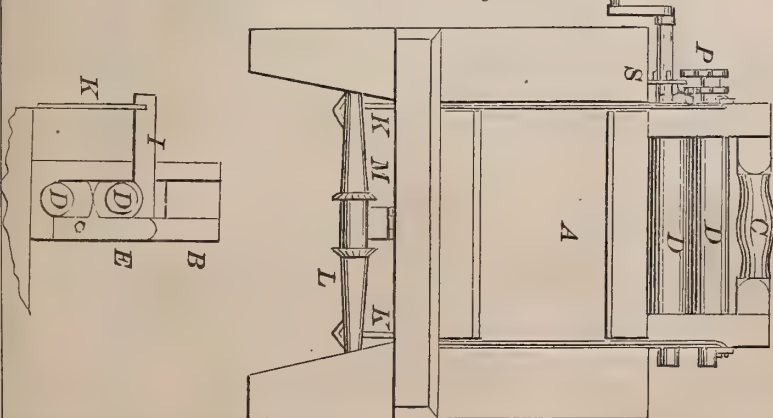
**66359**—C. King—*Car Replacer.*



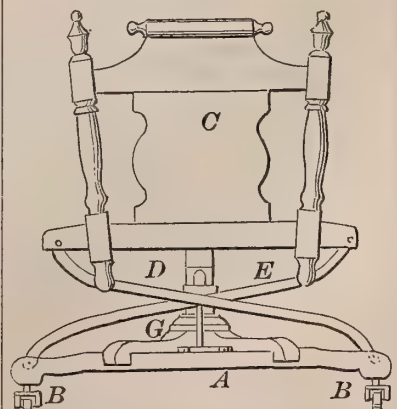
**66354**—H. N. Keables—*Gear Cutter.*



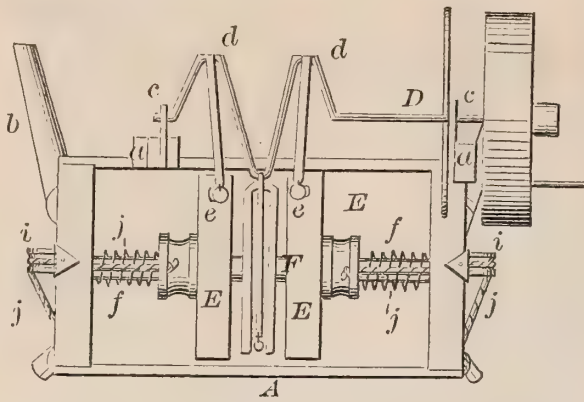
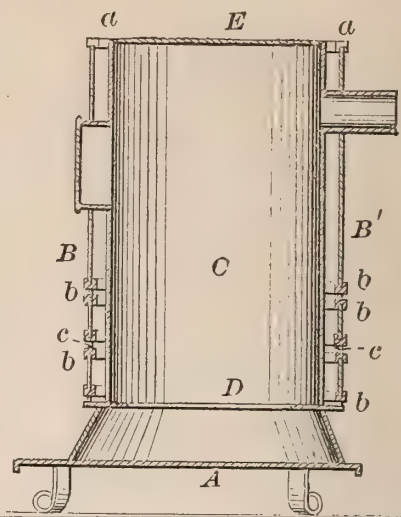
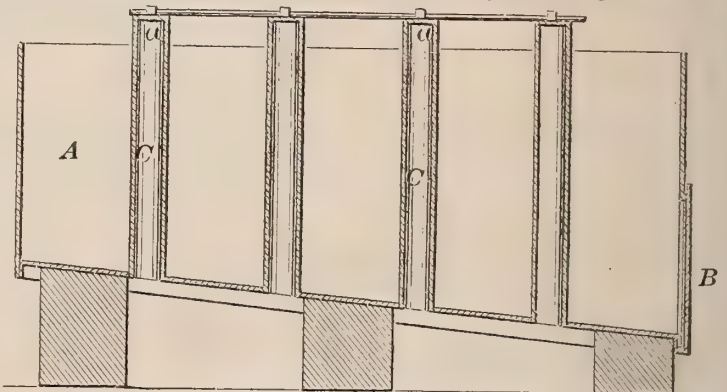
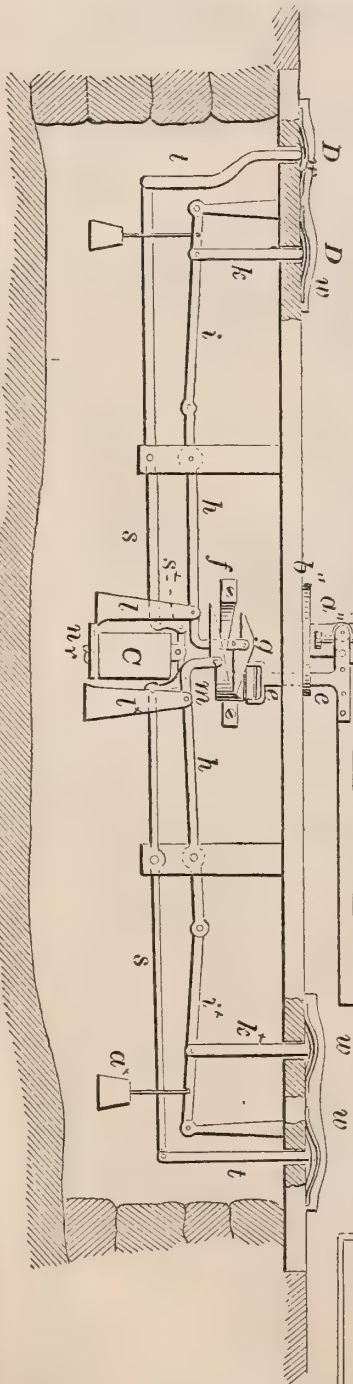
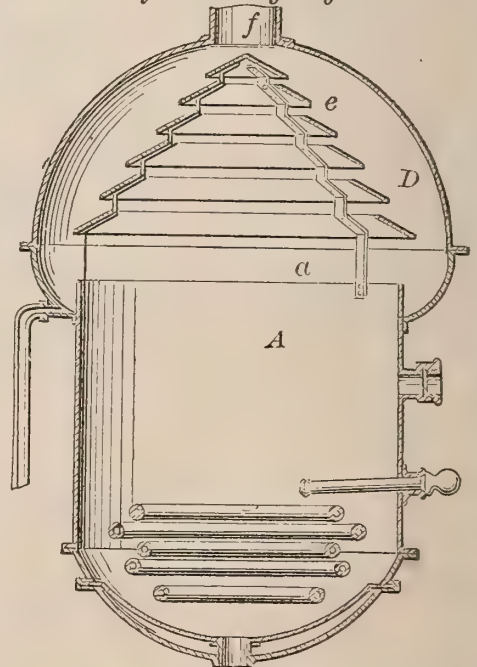
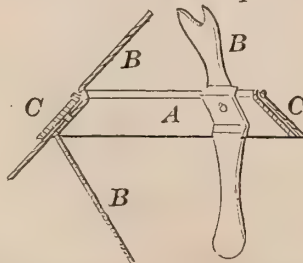
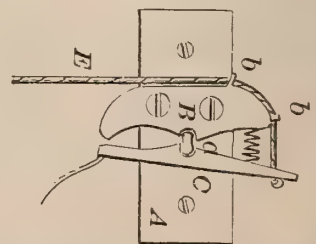
**66362**—C. H. Knox—*Clothes Wringer.*



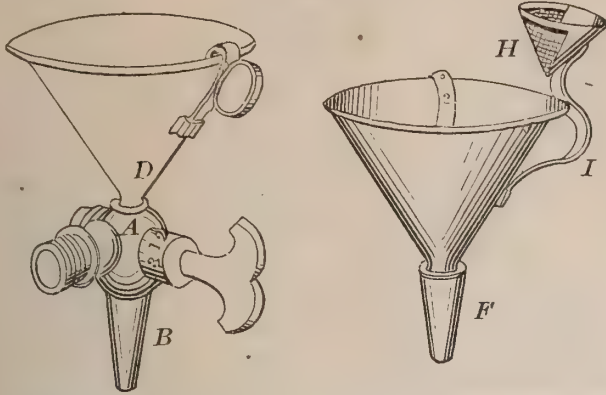
**66361**—S. W. Knowles—*Cradle.*



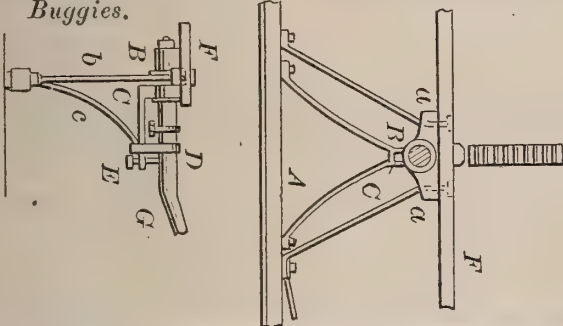


**66363**—I. A. Livingston—*Washing Machine.***66365**—A. H. Lowell—*Soapstone Stove.***66369**—F. O. Matthiessen—*Sugar Crystallizing Tank.***66368**—E. A. Matthiessen—*Gate.***66370**—F. O. Matthiessen—*Vacuum Pan for Boiling Sugar.***66366**—J. J. Marey—*Lamp Shade Clasp.***66367**—A. C. Mason—*Clamp for Suspending Whips.*

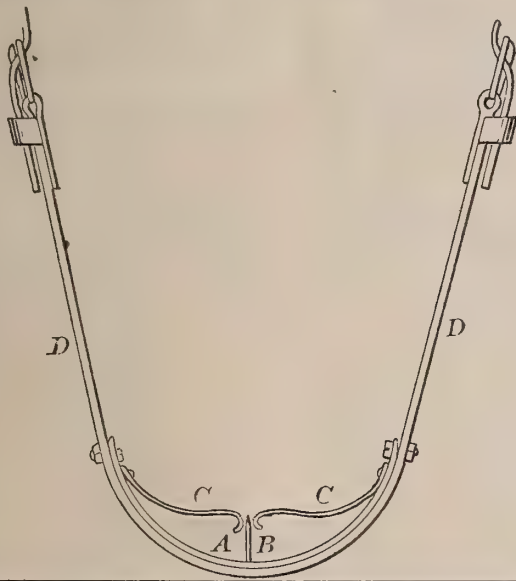
**66371**—G. W. McCann—*Measure, Funnel and Faucet.*



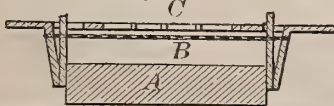
**66373**—J. S. McIntire—*Sleigh Runner for Buggies.*



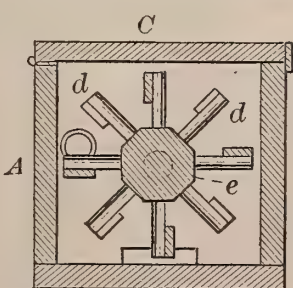
**66375**—G. W. Metcalfe—*To Cure Horses of Cribbing.*



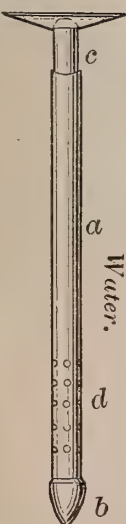
**66374**—J. McLaughlin—*Register.*



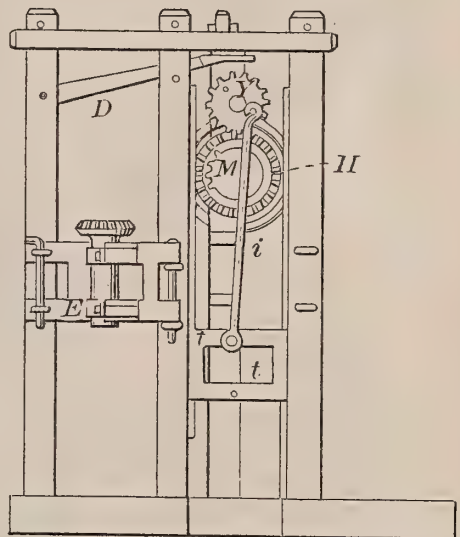
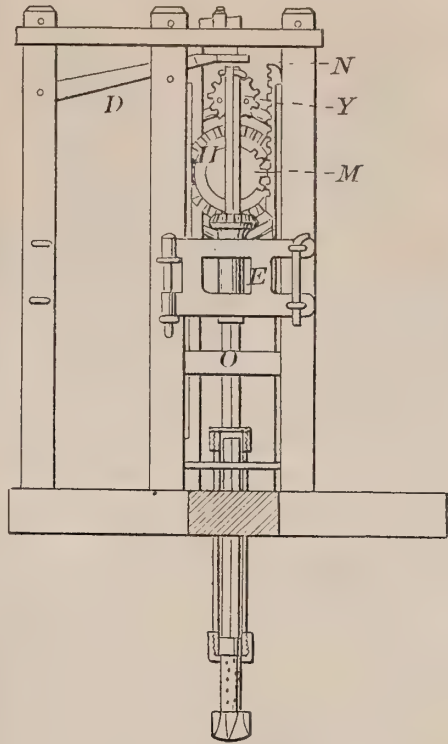
**66377**—Morillon & Naquin—*For Treating Cane Juice with Sulphurous Acid Gas.*



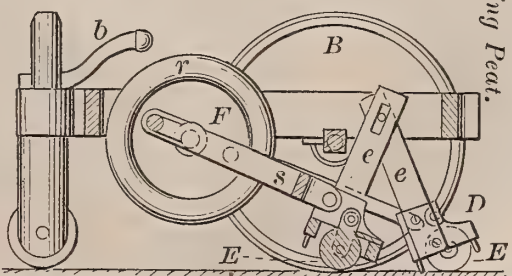
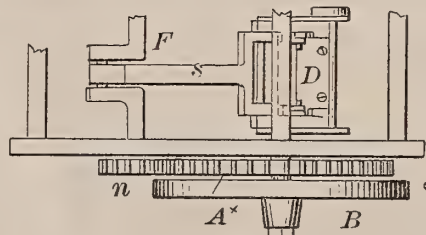
**66380**—Parker & Copeland—*Drain for Waste Water.*



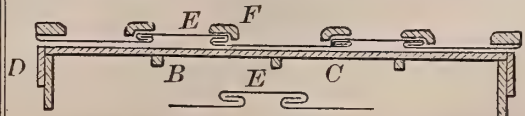
**66372**—M. T. McCormick—*Drilling and Pumping Apparatus.*



**66376**—A. Michelbacher—*For Disintegrating Peat.*

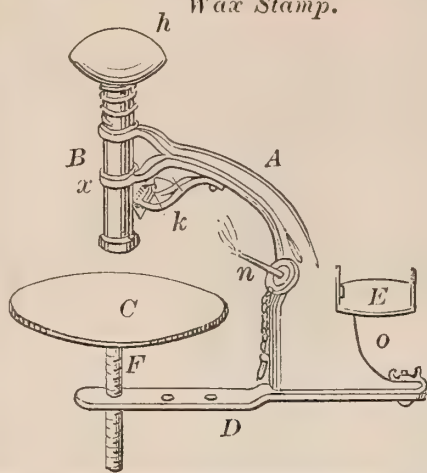


**66379**—J. Palmer—*Railroad Car Roof.*

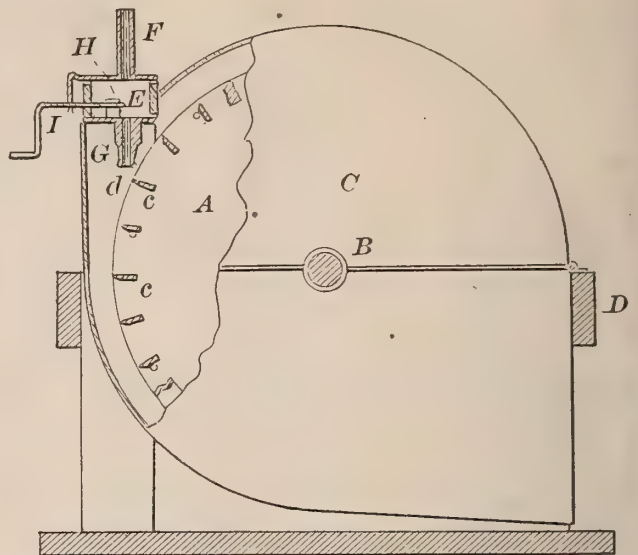




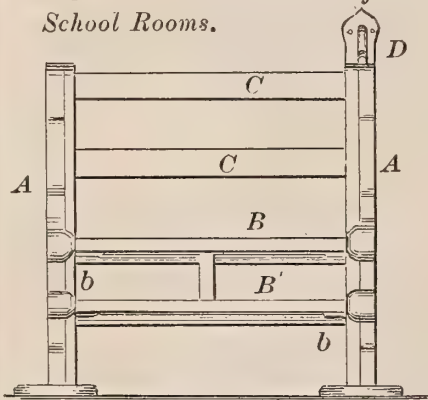
**66381**—J. H. Parsons—*Sealing Wax Stamp.*



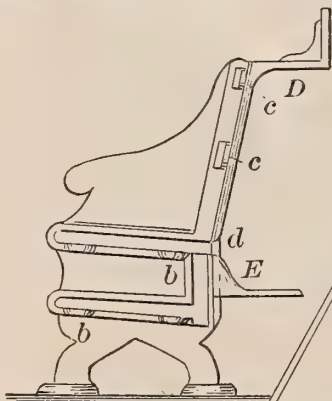
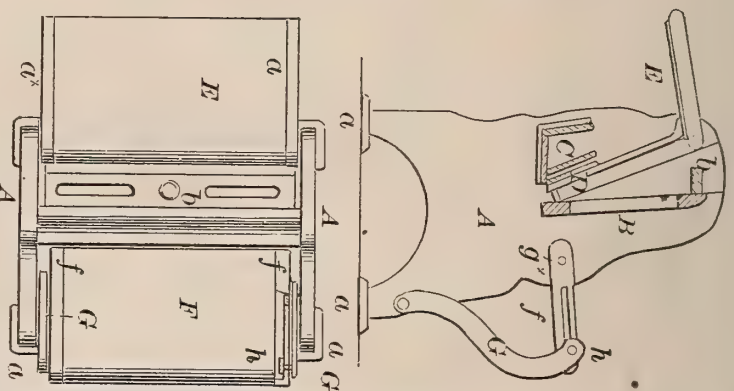
**66382**—T. Pattinson—*Water Wheel.*



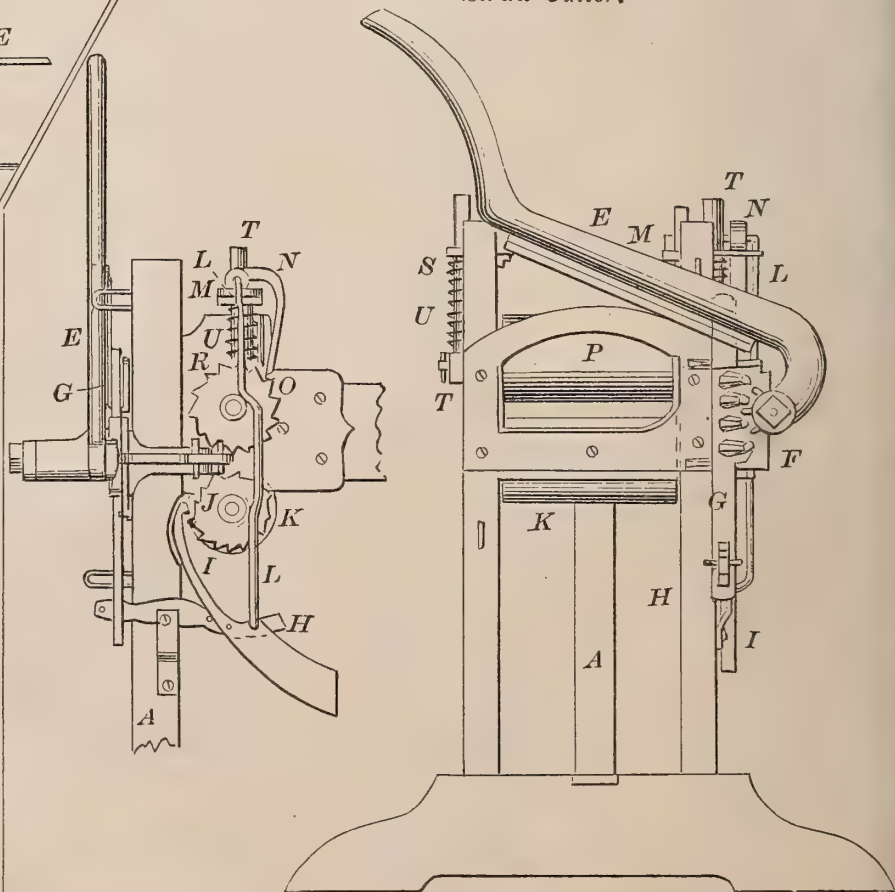
**66383**—J. Peard—*Settee for School Rooms.*



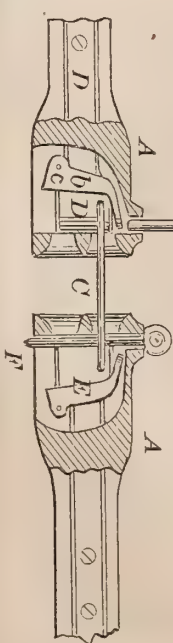
**66384**—J. Peard—*School Settee and Desk.*



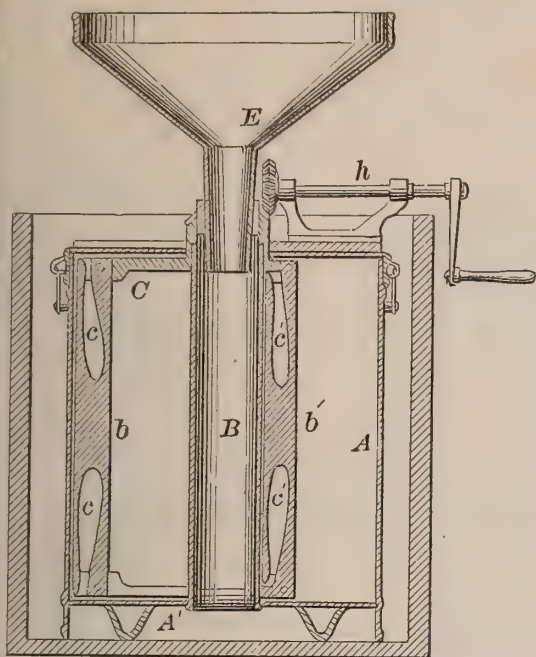
**66386**—S. Pettibone—*Straw Cutter.*



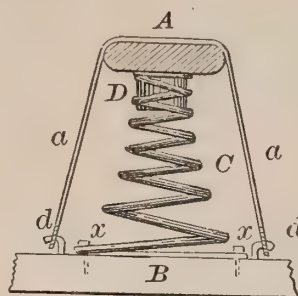
**66385**—J. Pettengill, Jr.—*Car Coupling.*



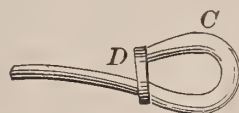
66389—J. H. Rac—*Ice Cream Freezer.*



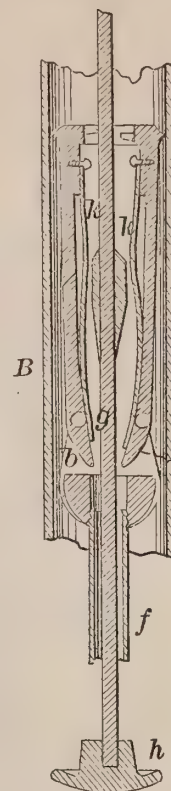
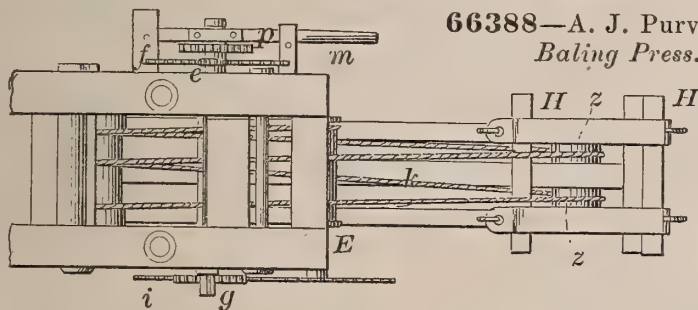
66390—C. D. Read—*Bed Bottom.*



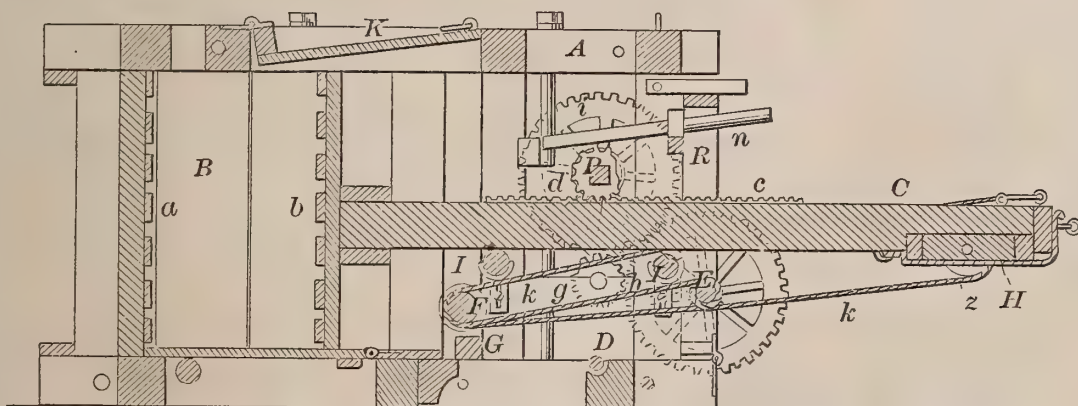
66391—I. C. Richmond—*Harness Hook.*



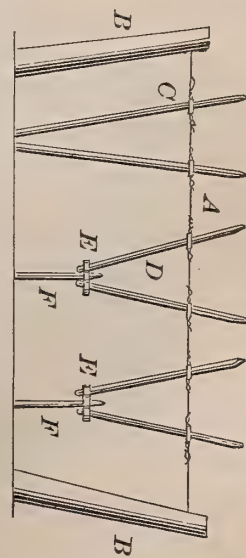
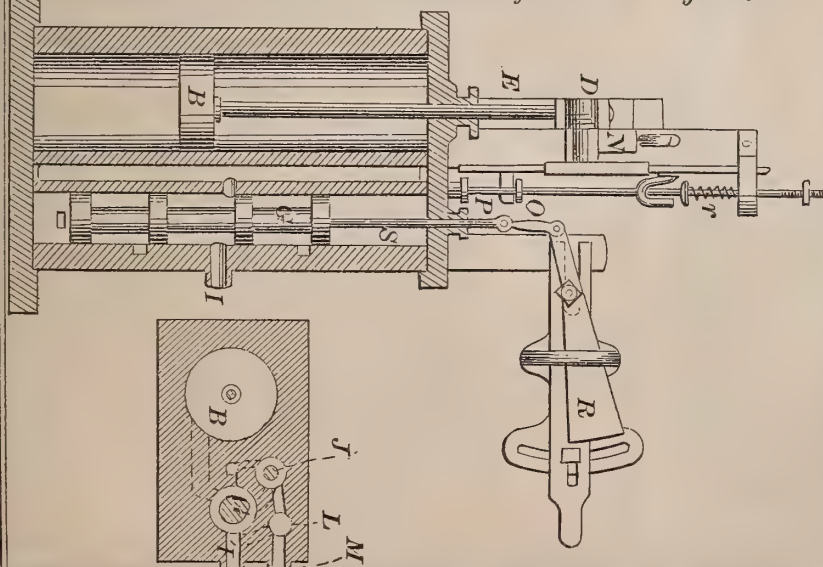
66388—A. J. Purviance—*Baling Press.*



66387—E. L. Pratt—*Boiler Tube Scraper.*

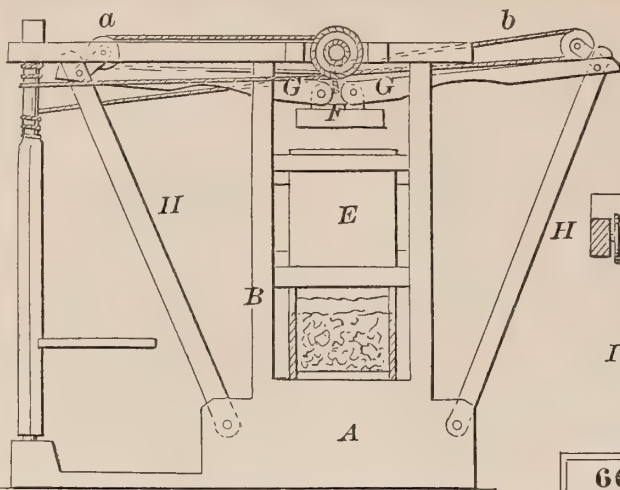
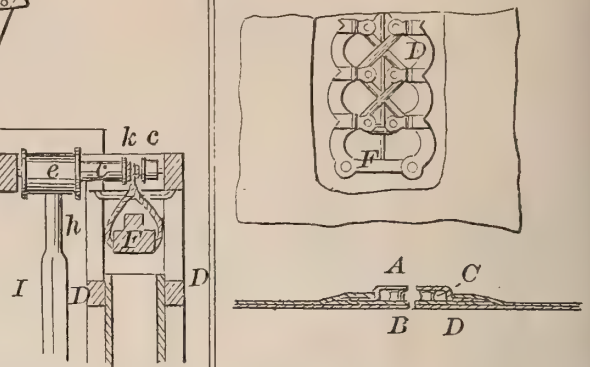
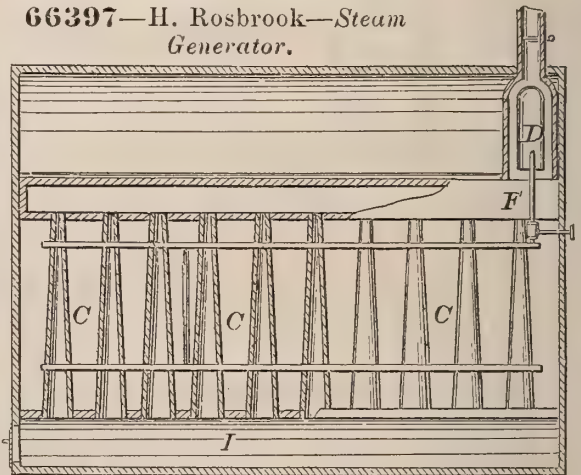
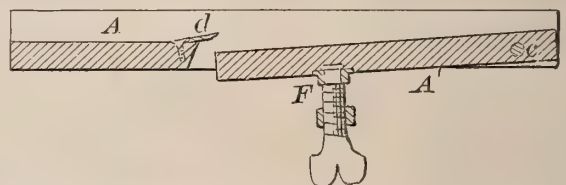
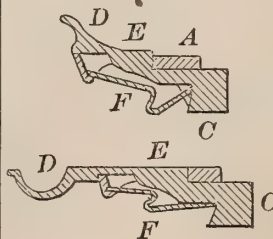
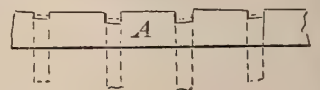
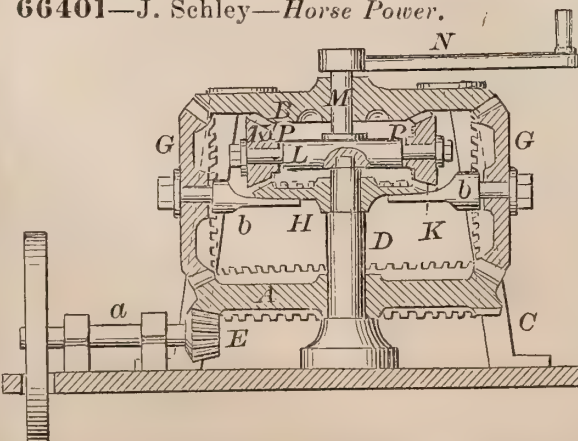
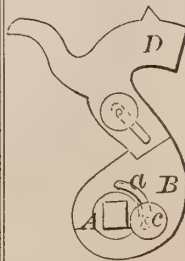
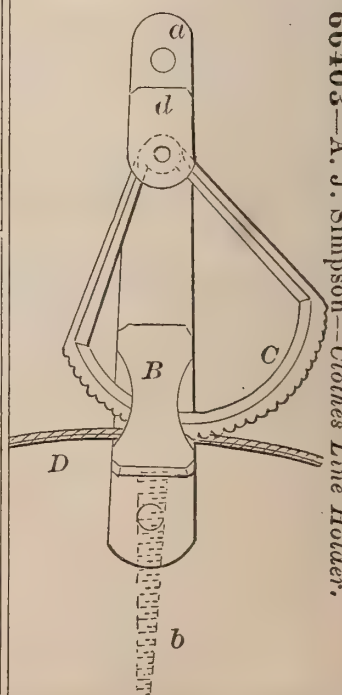


66392—A. K. Rider—*Valve Gear for Steam Engines.*

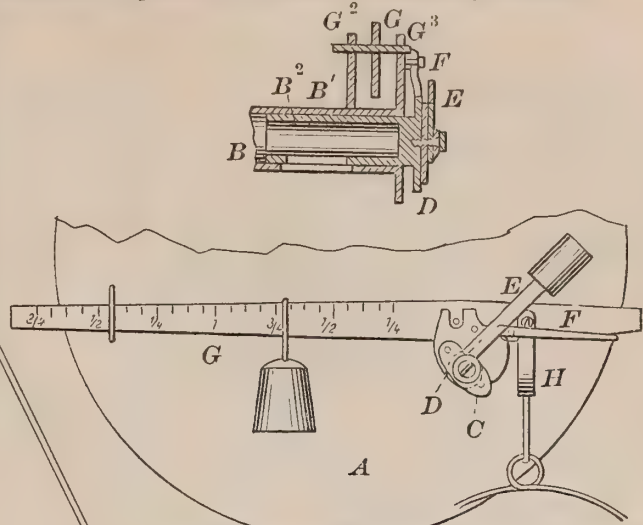


66393—Roberts & Badger—*For Supporting Hop Vines.*

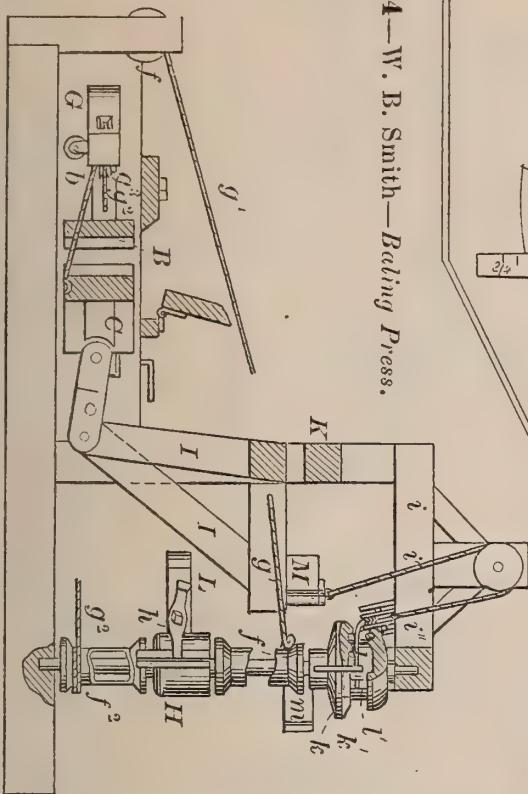


**66394**—S. D. Roberts—*Cotton Press.***66396**—Rock & Moorhouse—*Shoe Lacing.***66397**—H. Rosbrook—*Steam Generator.***66402**—J. M. Schwartz—*Vegetable Cutter.***66400**—Sawin & Titus—*Window Fastener.***66398**—A. Rothwell—*Bedstead.***66401**—J. Schley—*Horse Power.***66399**—W. T. Round—*Gun Hammer Gauge.***66403**—A. J. Simpson—*Clothes Line Holder.*

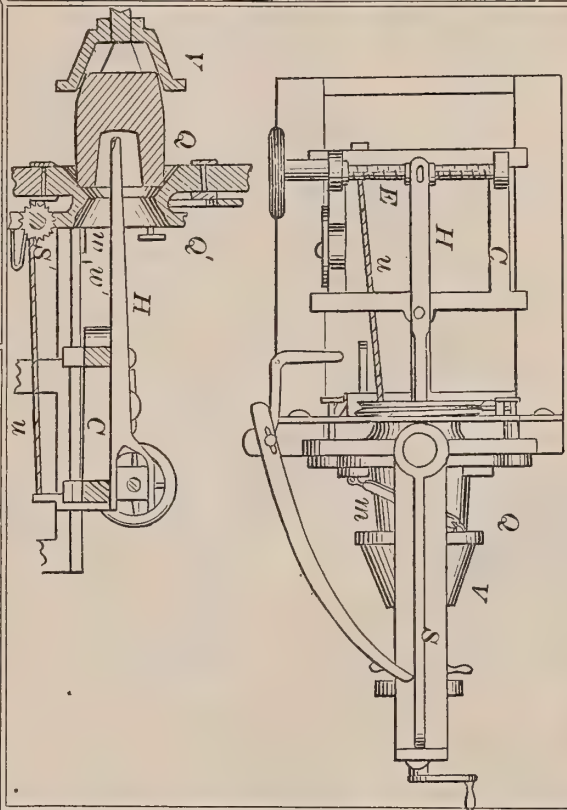
66406—Spafford & Elsey—Measuring Faucet.



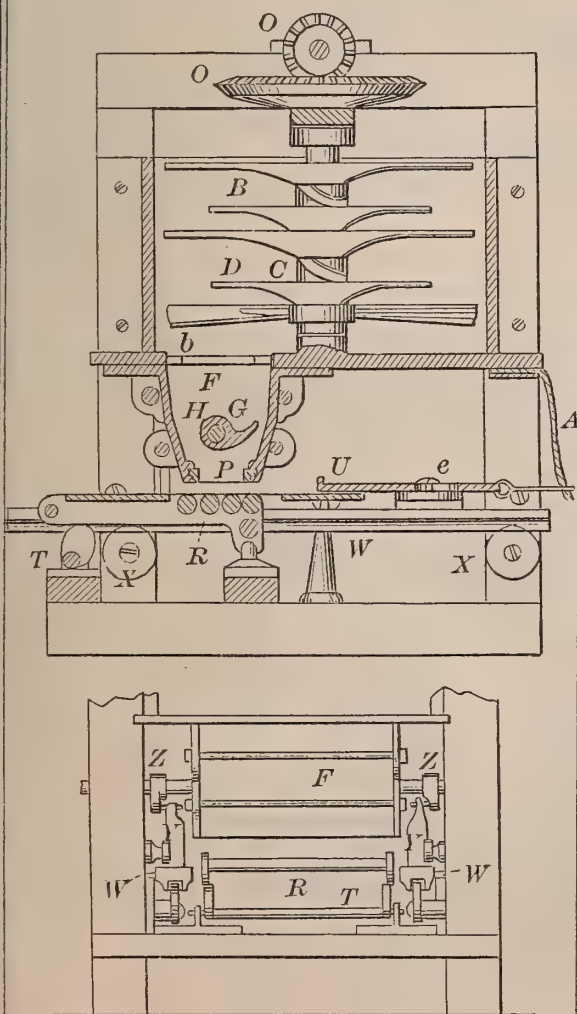
66404—W. B. Smith—Baling Press.



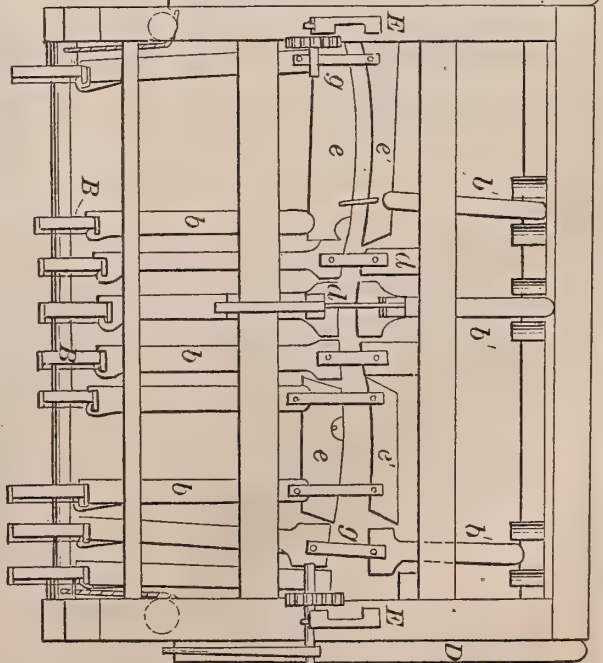
66405—W. Snodgrass—Hub Boring Machine.



66408—A. J. Sprague—Brick Machine.

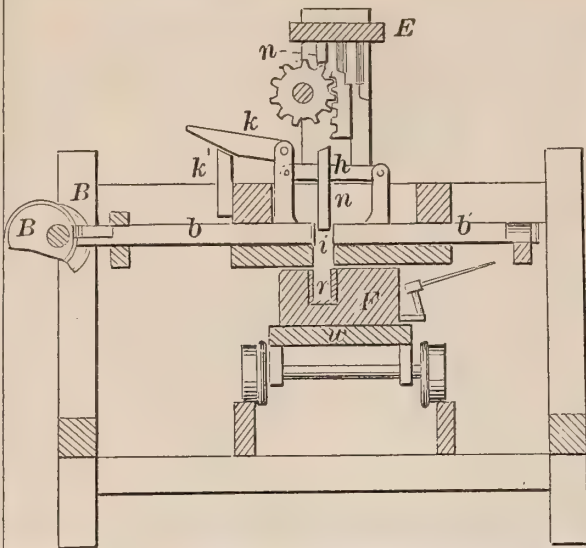


66409—O. W. Stearns—Wood Bending Machine.

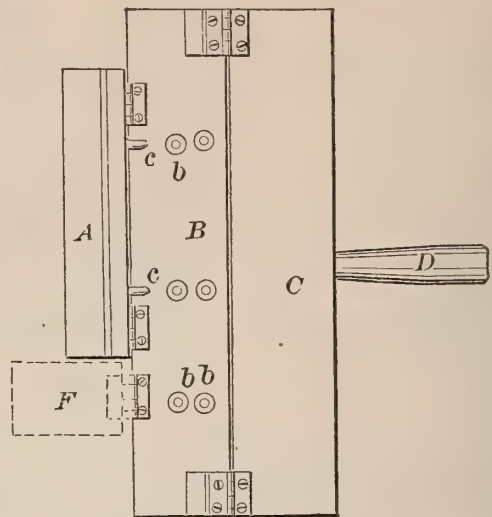




66409—Continued.



66411—B. D. Stevens—For Forming Sheet Metal Pans.



66412—G. W. Swartz—Hay Raker and Loader.

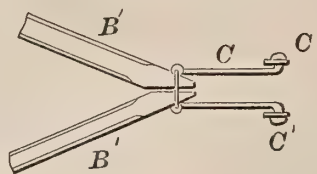
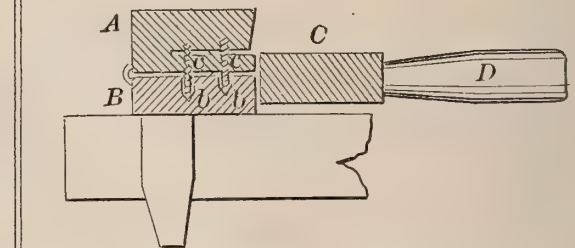
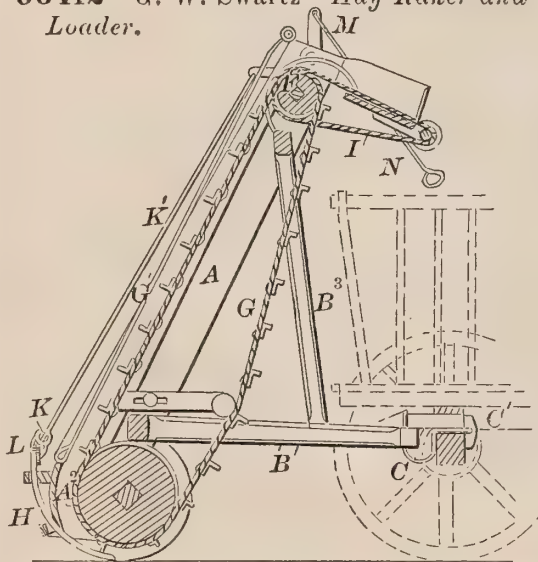
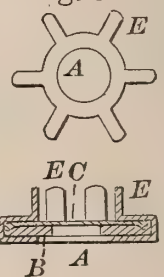
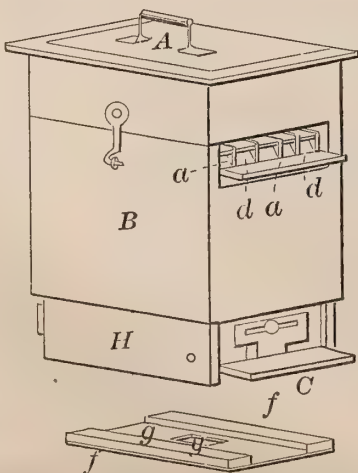
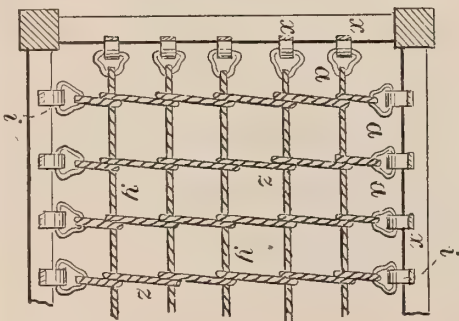


Fig. 3

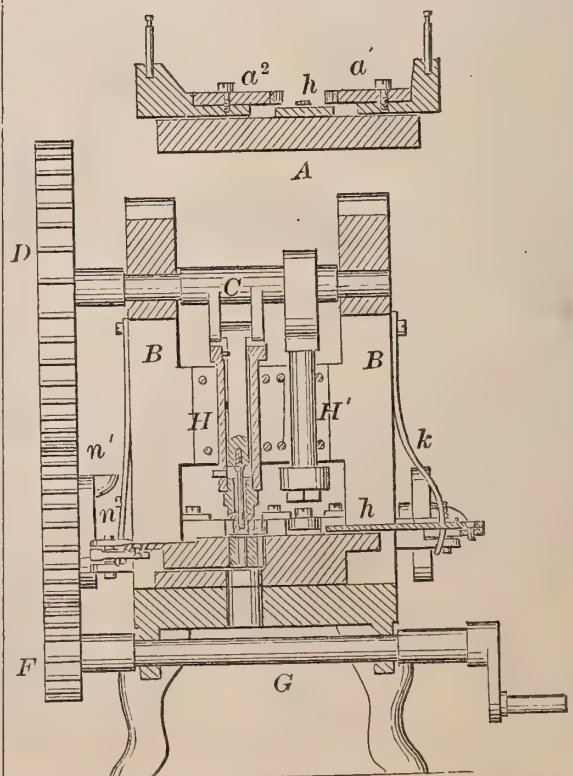


66413—S. C. Talcott—Button Hole for Carriages.

66410—Stenger &amp; Beyrheimer—Bed Bottom.

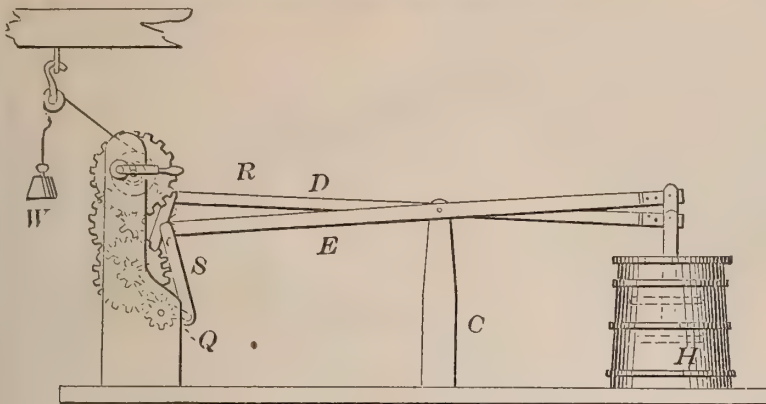


66415—J. H. Thomas—Beehive.

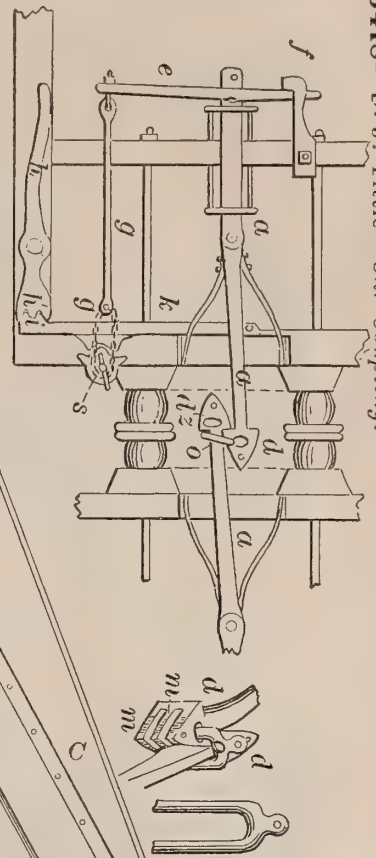


66414—Thierry &amp; Hill—For Making Hot Pressed Nuts.

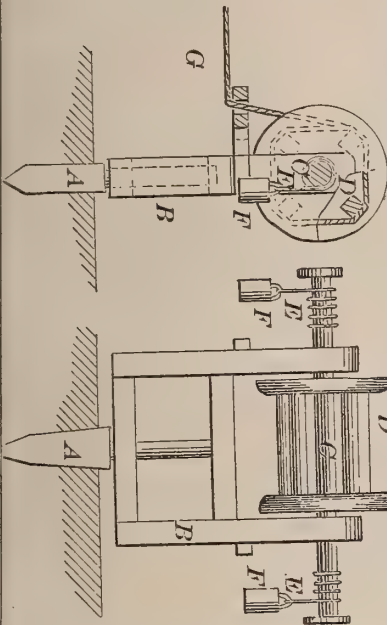
66416—J. Thompson—*Churning Apparatus.*



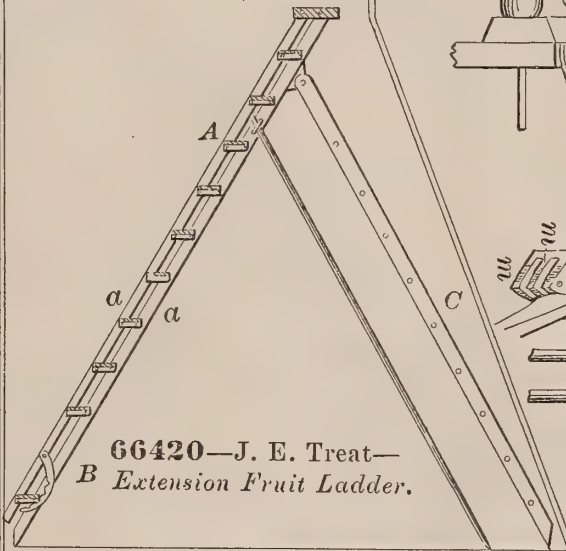
66418—D. J. Title—*Car Coupling.*



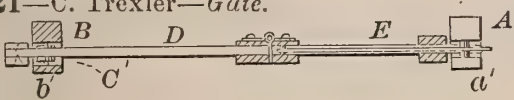
66417—J. P. Thorp—*For Tethering Animals.*



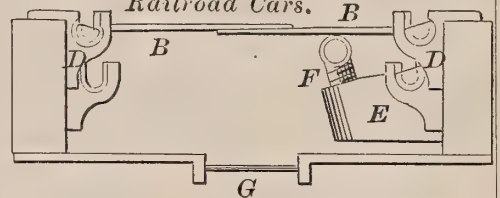
66420—J. E. Treat—*Extension Fruit Ladder.*



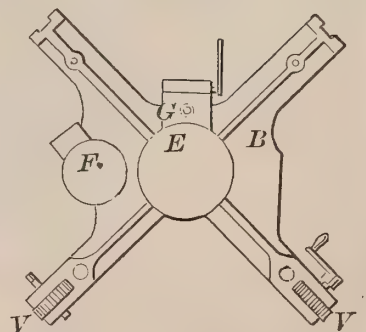
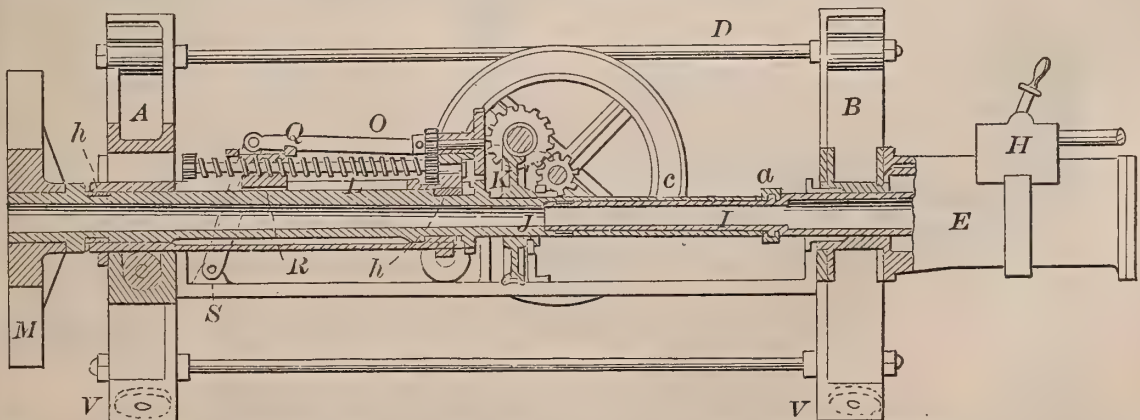
66421—C. Trexler—*Gate.*



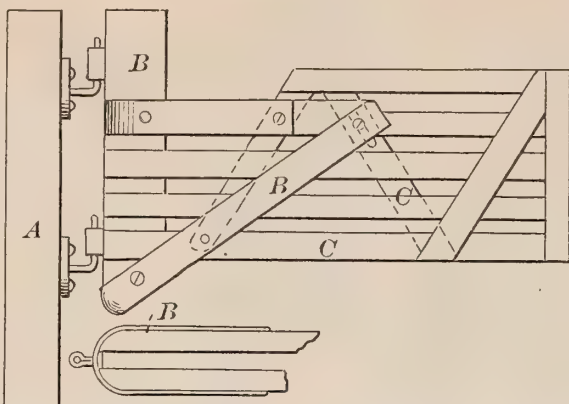
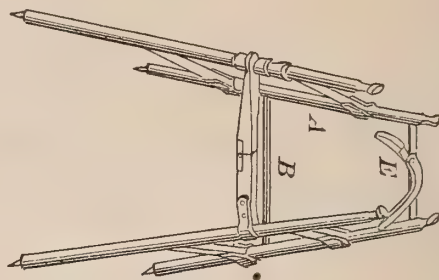
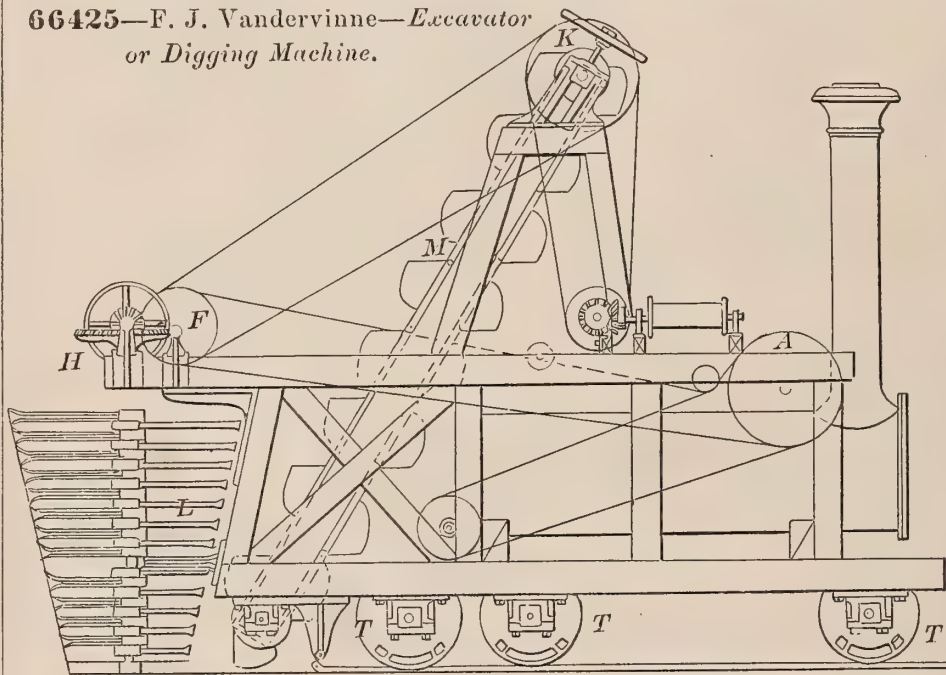
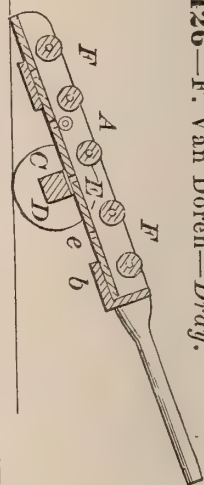
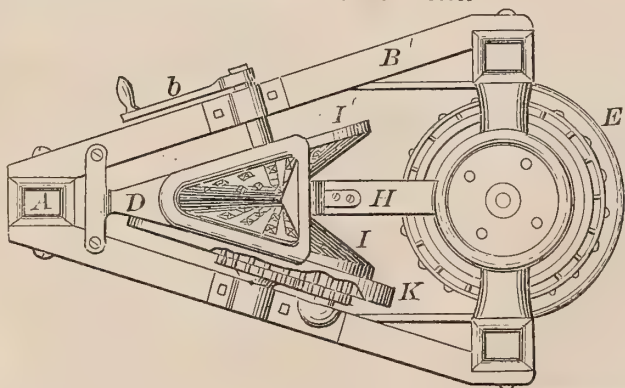
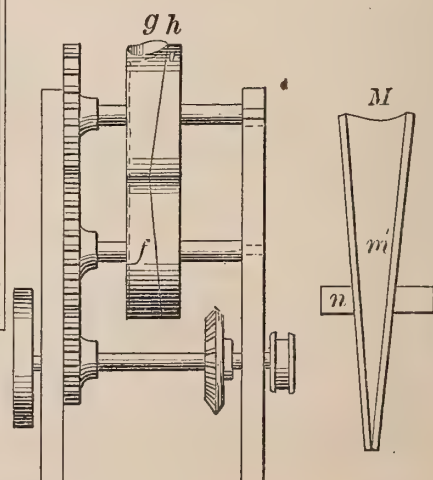
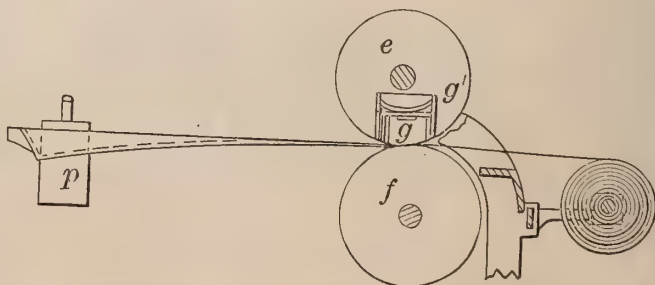
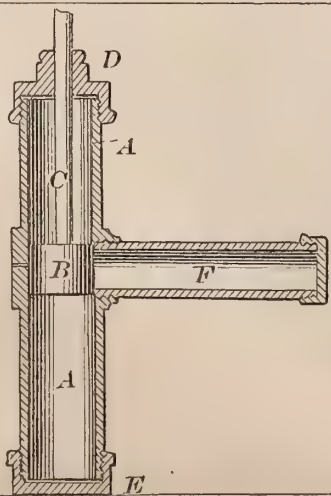
66419—L. Traxler—*Safety Bridge for Railroad Cars.*



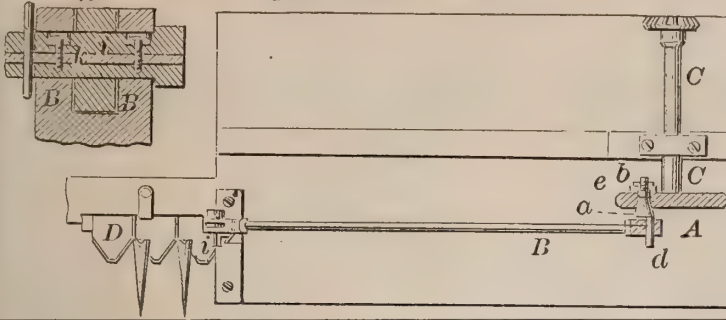
66422—E. M. Troth—*Rock Drilling Machine.*



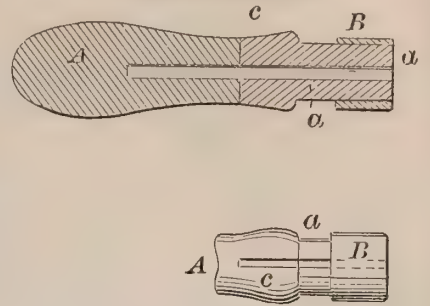


66423—H. Turner—*Gate.*66424—L. Turner—*Bag Holder*66425—F. J. Vandervinne—*Excavator or Digging Machine.*66426—F. Van Doren—*Dray.*66427—T. Van Kannel—*Cider Mill.*66429—W. H. Walton—*For Making Paper Collars.*66428—T. G. Walker—*Drying and Preparing Peat.*

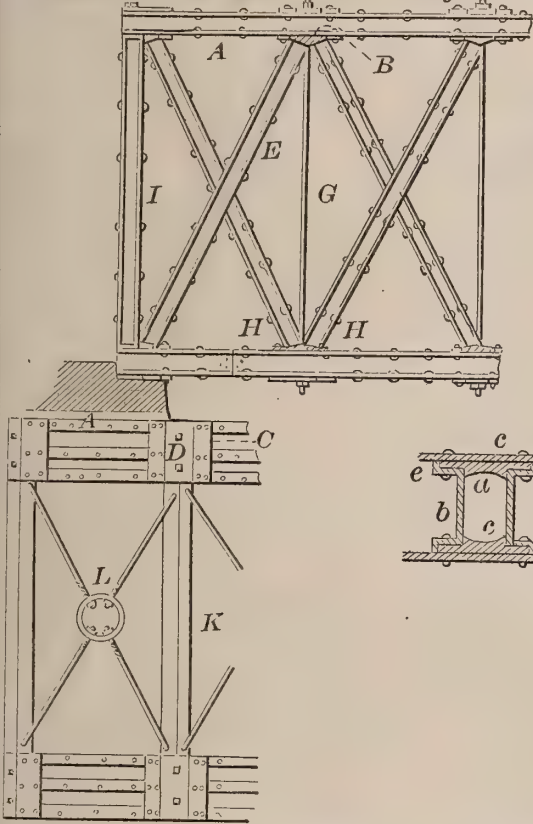
**66430**—H. L. Wanzer—*Pitman Connection for Harvesters.*



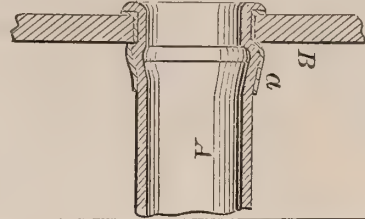
**66434**—L. P. Wilcox—*Attaching Tools to Handles.*



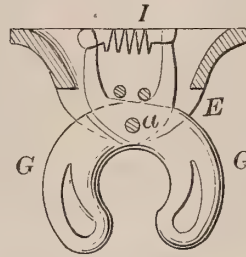
**66433**—T. B. White—*Iron Bridge.*



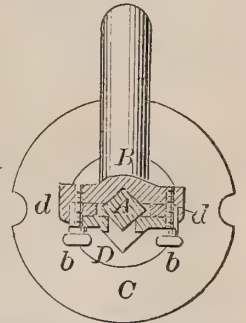
**66435**—P. Wineman—*Preventing Corrosion in Steam Boiler Flues.*



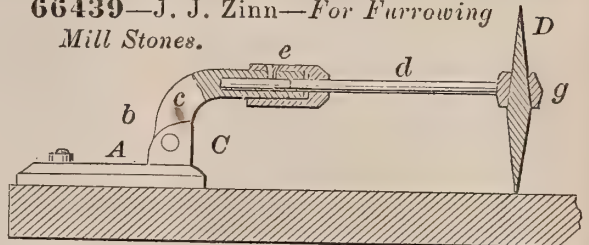
**66431**—  
H. W. Warner—*Broom Holder.*



**66436**—L. Wolf—*Punch.*



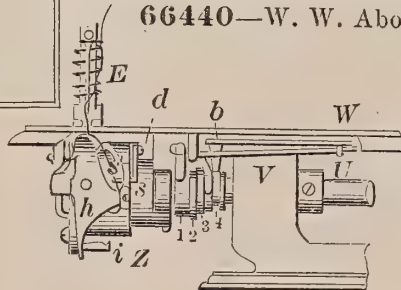
**66439**—J. J. Zinn—*For Furrowing Mill Stones.*



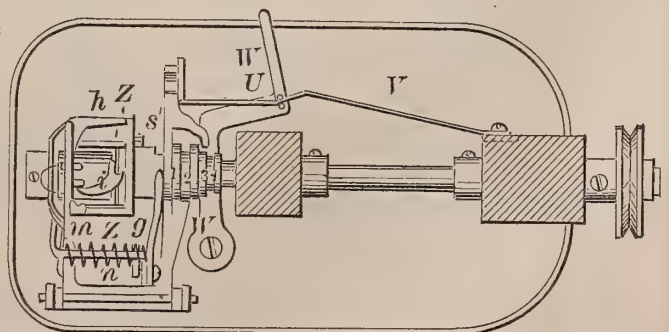
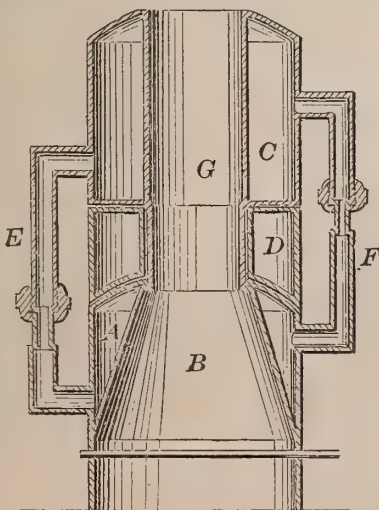
**66437**—J. E. Wootten—*Railway Chair.*



**66440**—W. W. Abbott—*Sewing Machine.*

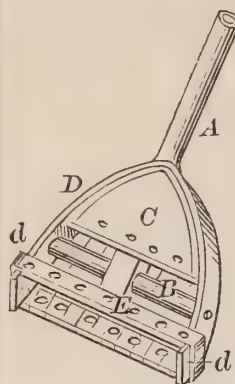


**66438**—W. Young—*Steam Generator.*

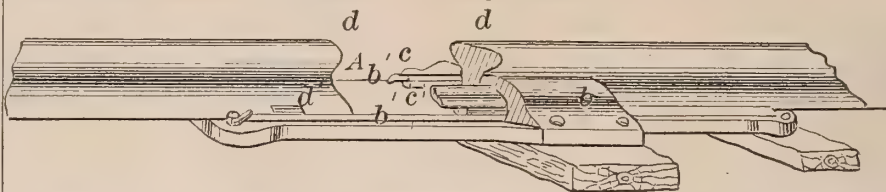




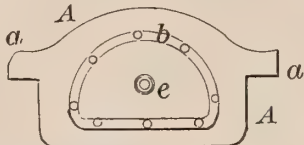
66441—L. Allen—Broom Head.



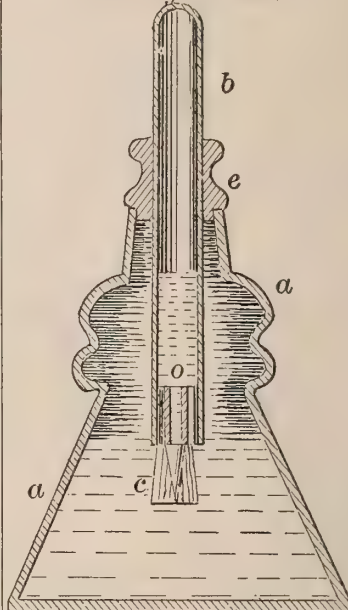
66443—Balding &amp; Blake—Railway Chair.



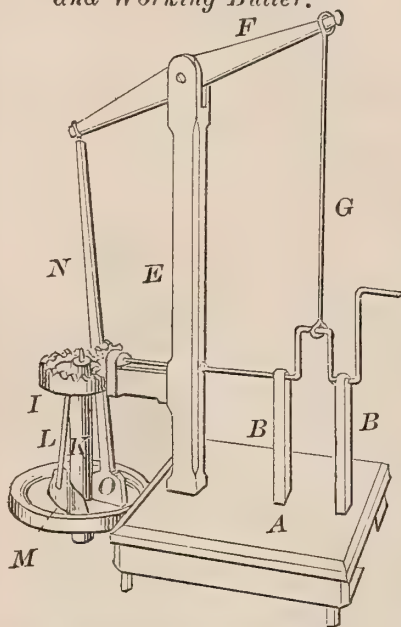
66444—B. H. Bartol—Cover for Gas Retorts.



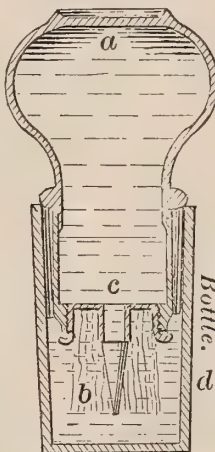
66446—W. W. Beach—Mucilage Brush.



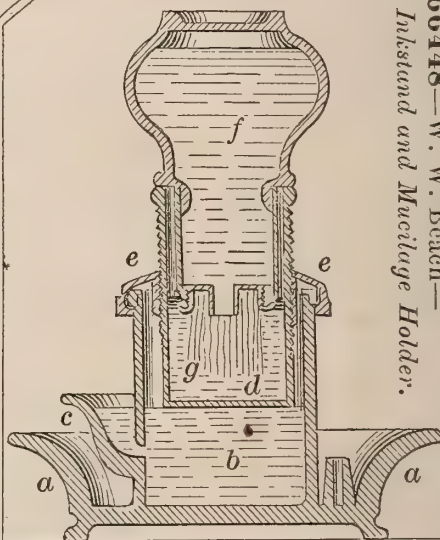
66445—W. D. Baughn—Churning and Working Butter.



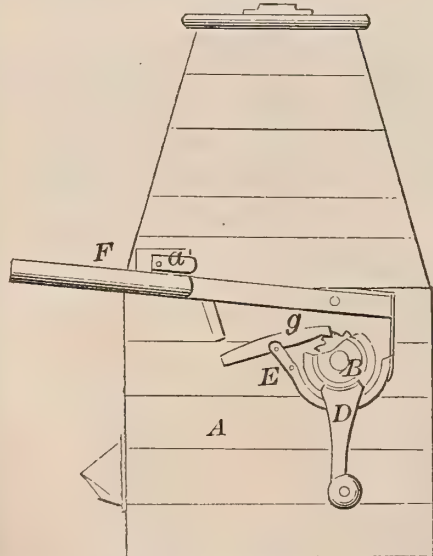
66447—W. W. Beach—Mucilage Bottle.



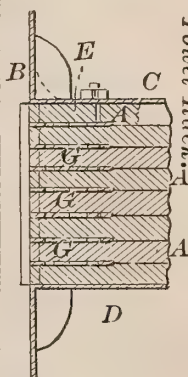
66448—W. W. Beach—Inkstand and Mucilage Holder.



66451—Bowles &amp; Preston—Water Elevator.



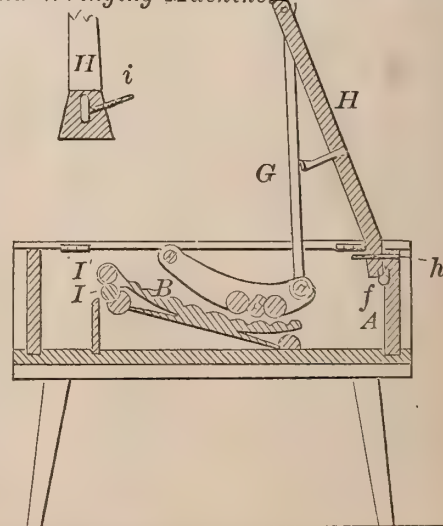
66442—F. A. Balch—Clothes or Towel Rack.



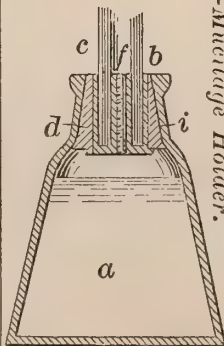
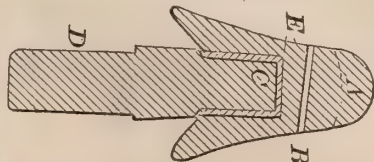
66449—W. W. Beach—Mucilage Holder.



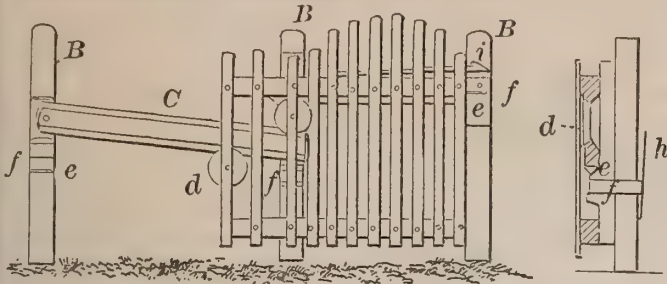
66450—C. F. &amp; F. Blood—Washing and Wringing Machine.



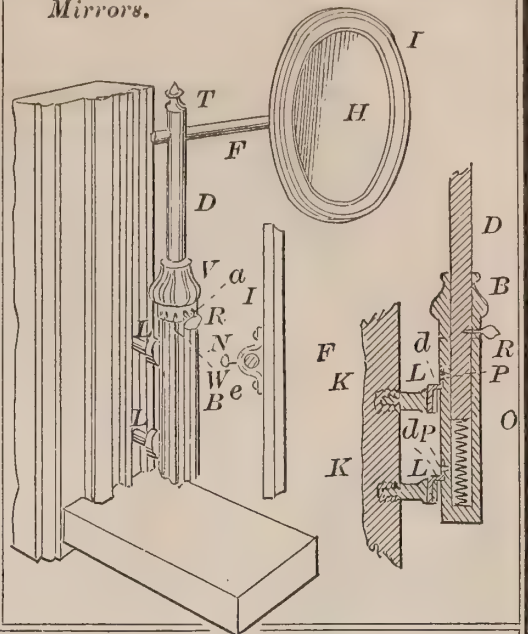
66453—J. F. Boynton—Telegraph Insulator.



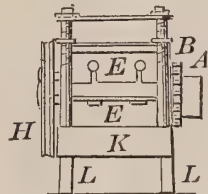
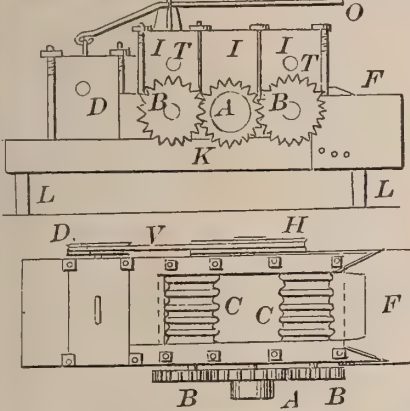
66454—J. W. Brewster—Farm Gate.



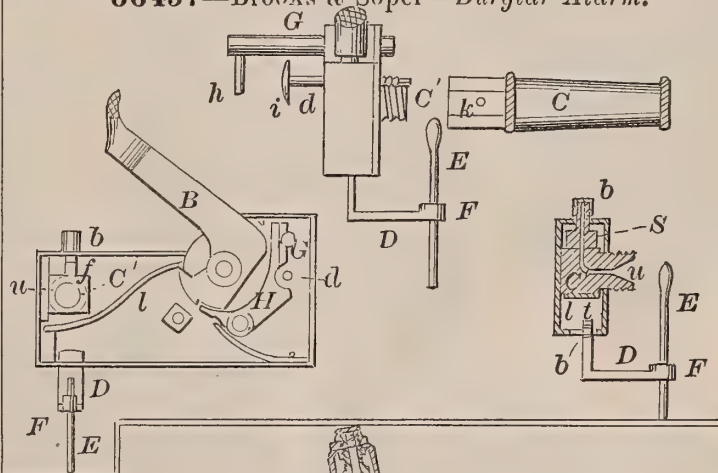
66458—F. Brown—For Hanging Mirrors.



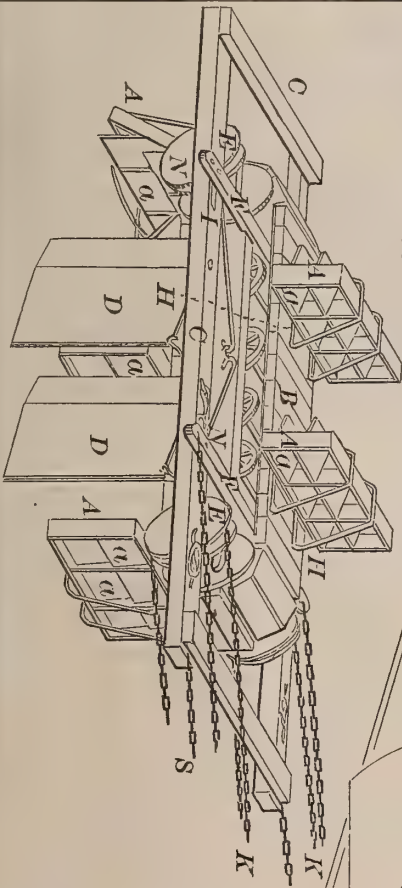
66455—E. Briggs, Sr.—Corn Husker and Stalk Cutter.



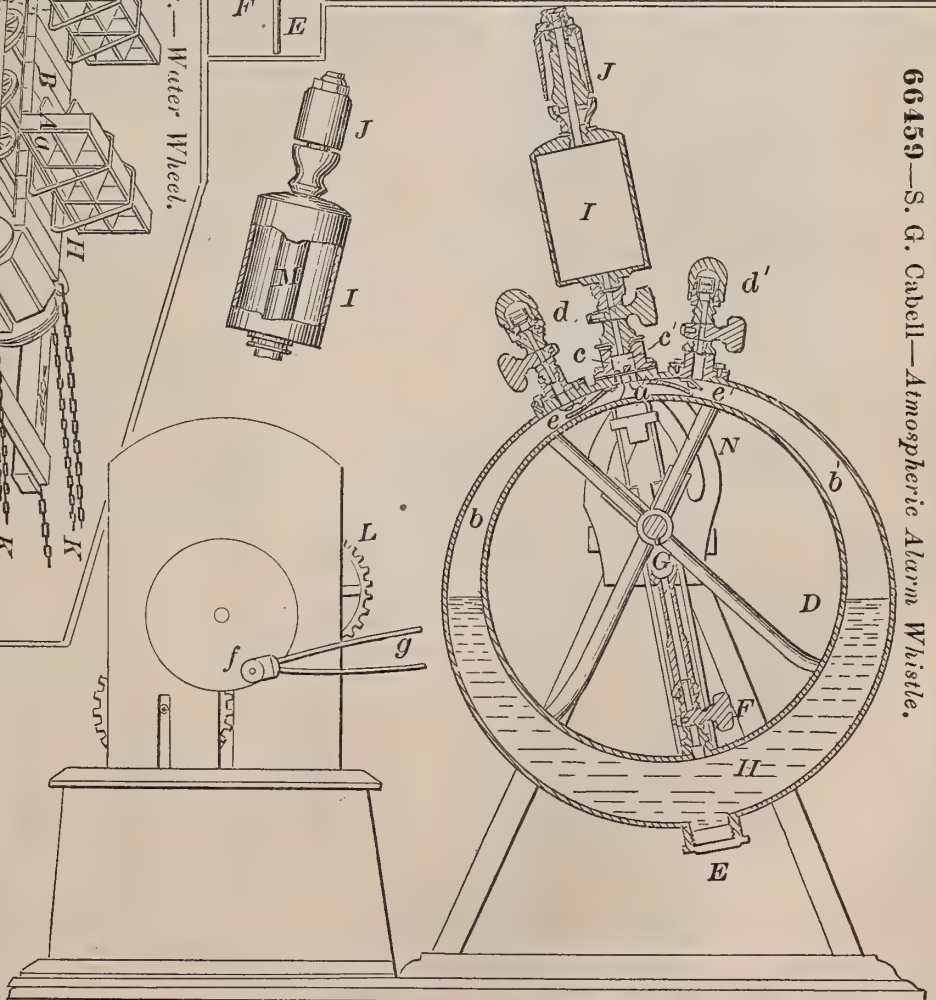
66457—Brooks & Soper—Burglar Alarm.



66456—E. Briggs, Sr.—Water Wheel.

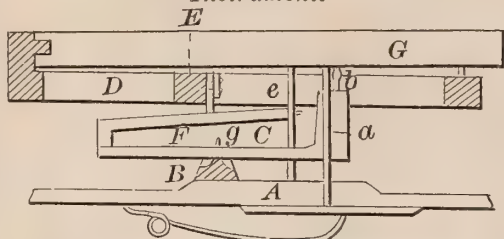


66459—S. G. Cabell—Atmospheric Alarm Whistle.





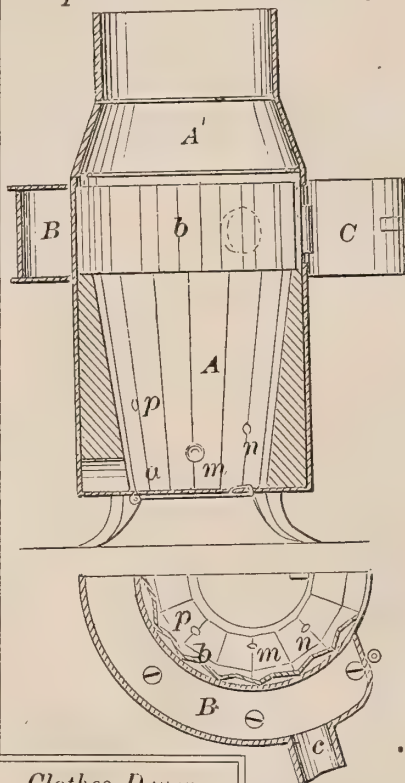
**66460**—Church & Smith—*Reed Instrument.*



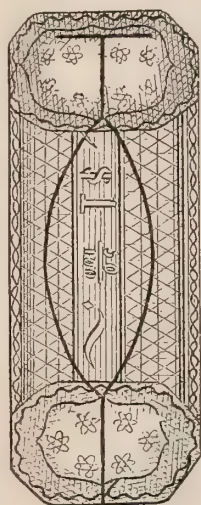
**66463**—Coloney & Fairchild—*Ribbon Map.*



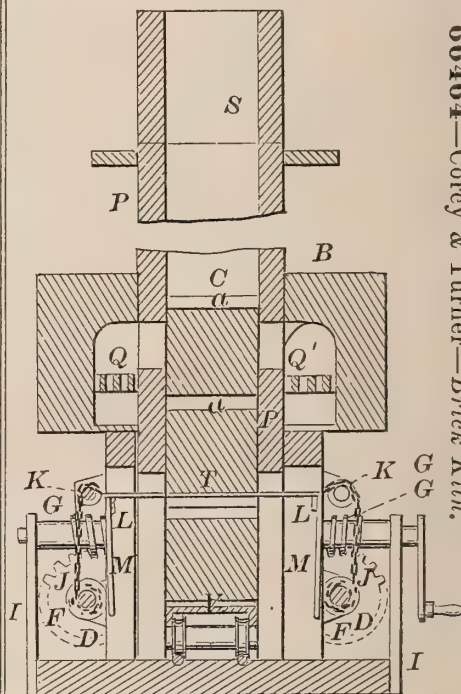
**66465**—Cowan & Starr—*Cupolo and other Furnaces.*



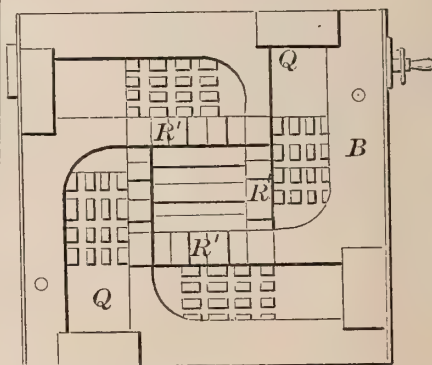
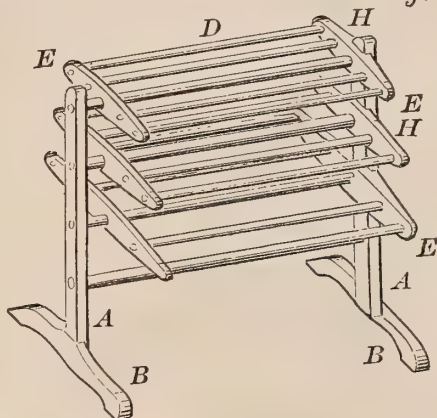
**66461**—S. M. Clark—*For Numbering Coupons.*



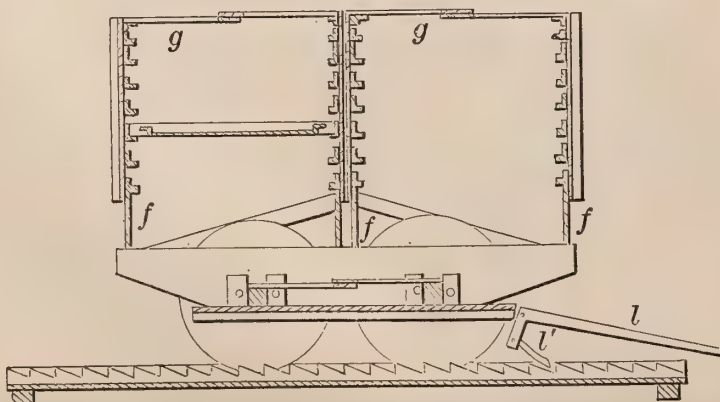
**66464**—Corey & Turner—*Brick Kiln.*



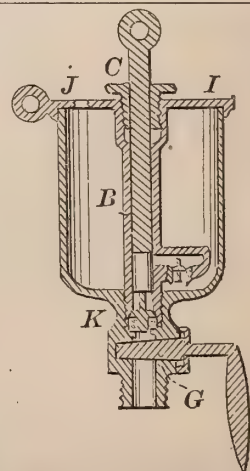
**66466**—F. Crandall—*Clothes Dryer.*



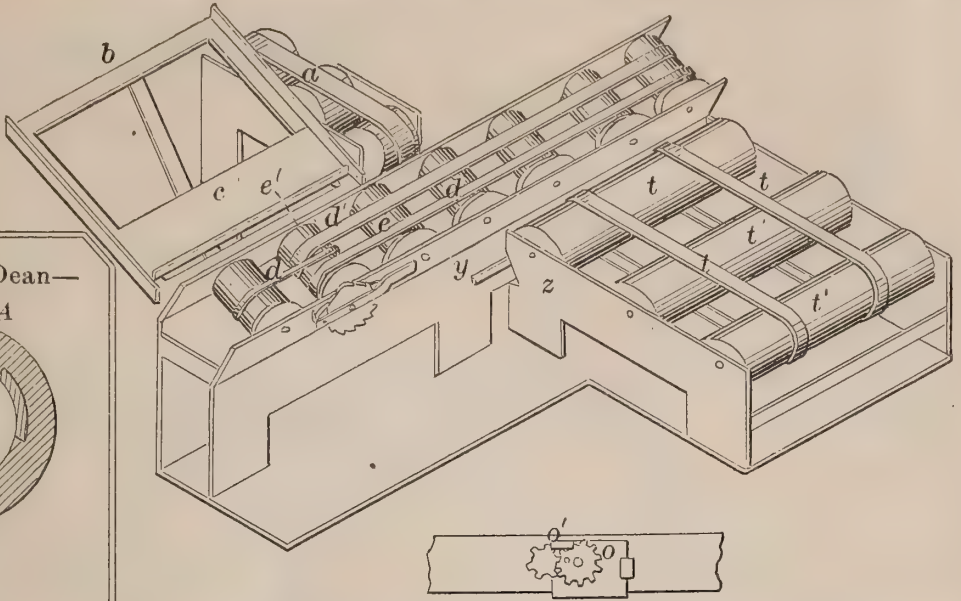
**66467**—L. B. Crittenden—*Railroad Car.*



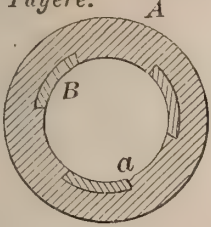
**66462**—F. Collignon—*Steam Engine Lubricator.*



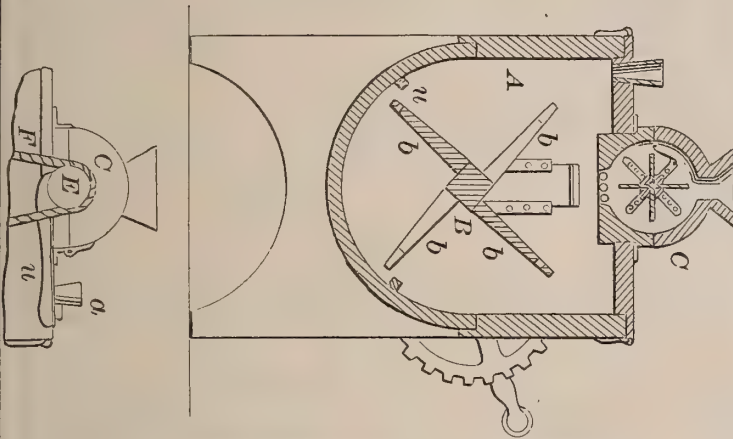
66468—L. B. Crittenden—Brick Machine.



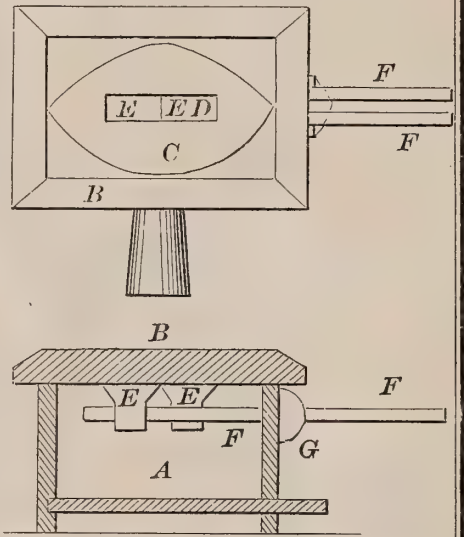
66470—H. Dean—Tuyere.



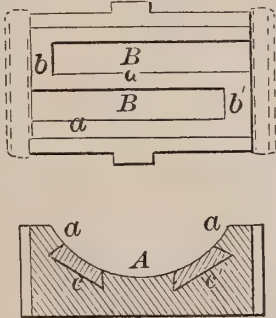
66469—J. Davies—Churn.



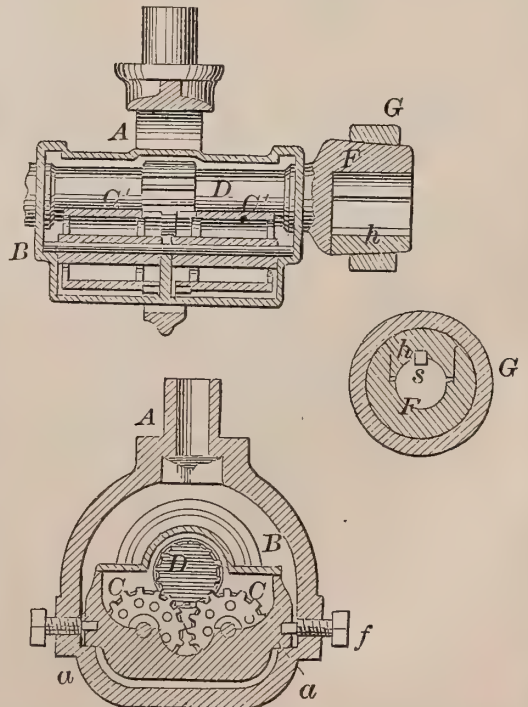
66471—P. S. Devlan—Journal and Axle Box.



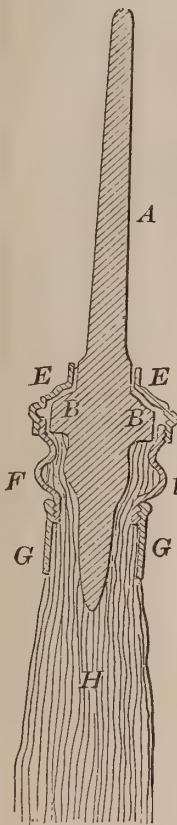
66472—P. S. Devlan—Lining for Journal and Axle Boxes. A



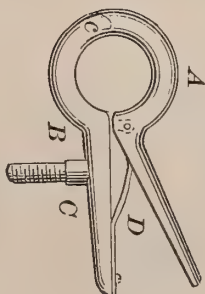
66474—D. H. Dotterer—Coupling Journal and Box.



66475—B. A. Drayton—Paint Brush.

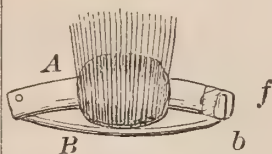


66473—N. Dieterich—Check Hook.

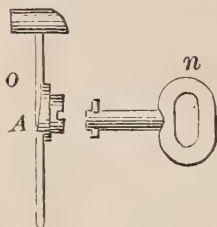




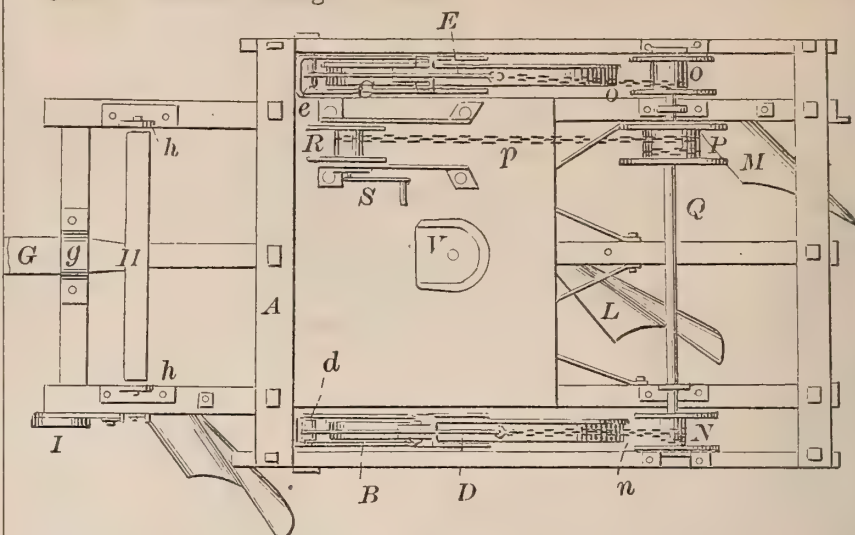
**66476**—S. A. Early—*Hair Curler.*



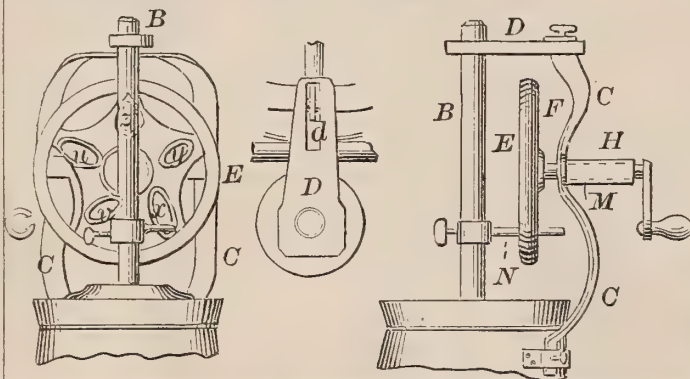
**66479**—M. P. Ford—*Car Seat Lock.*



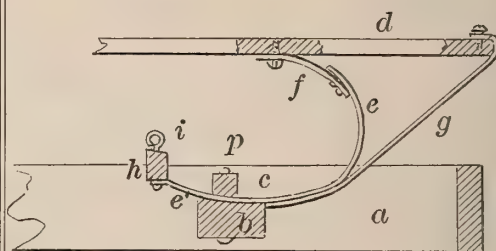
**66477**—H. H. Ebaugh—*Plow.*



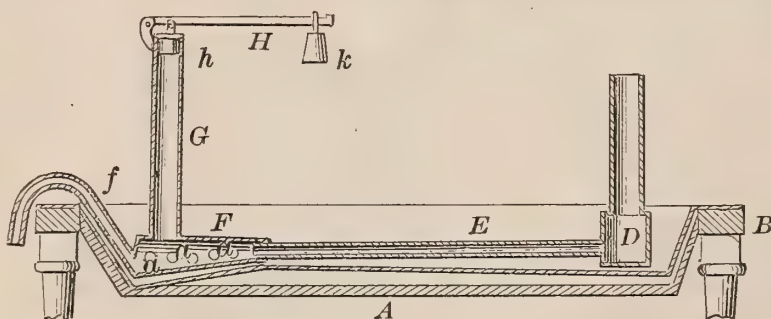
**66478**—J. P. Edmonds—*Churn.*



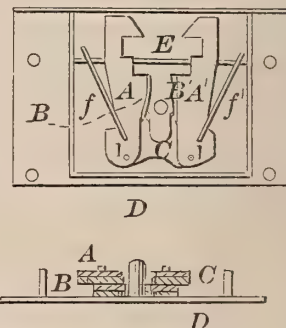
**66481**—F. S. Frost—*Bed Bottom.*



**66480**—H. Fowler—*For Evaporating Sorghum Juice.*



**66483**—S. Gaylord—*Trunk Lock.*



**66485**—H. A. Graeff—*Corn Sheller.*

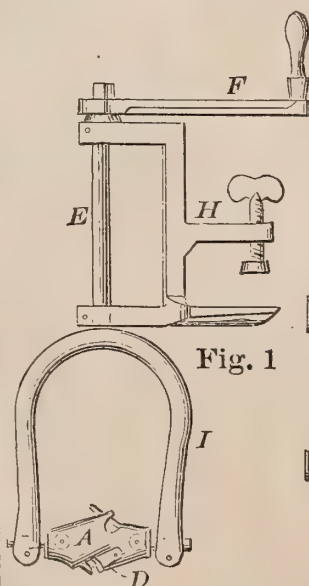
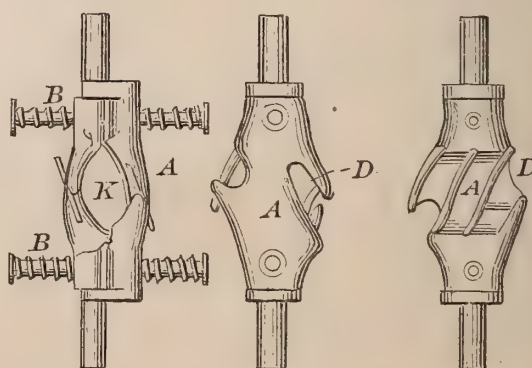


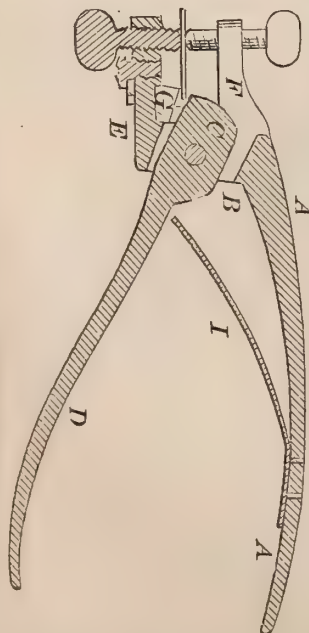
Fig. 2

Fig. 3

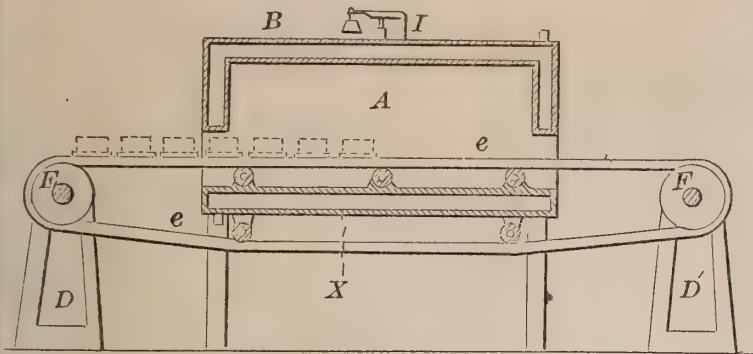
Fig. 4



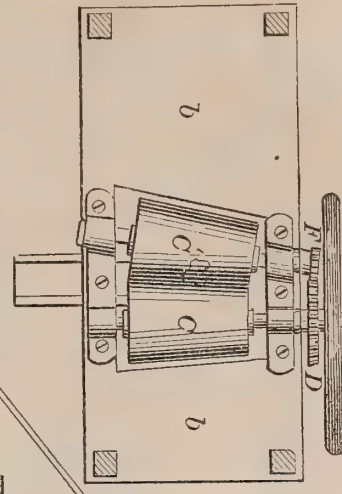
**66484**—J. M. Geer—*Saw Set.*



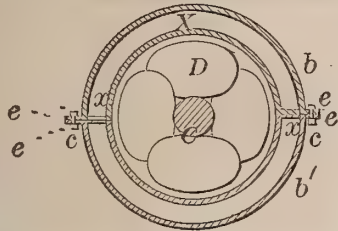
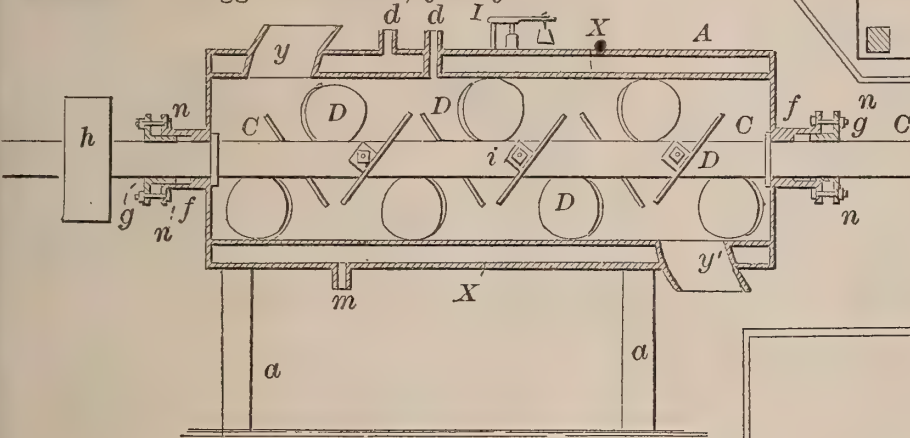
66486—I. Gregg—*Drying Bricks.*



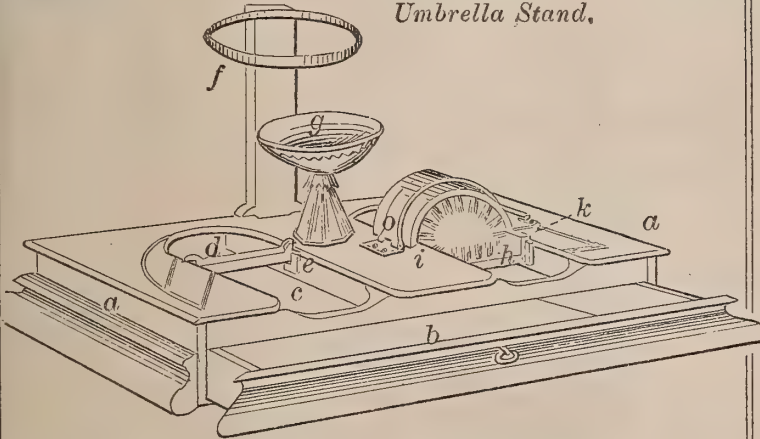
66488—I. Gregg—*For Treating Clay.*



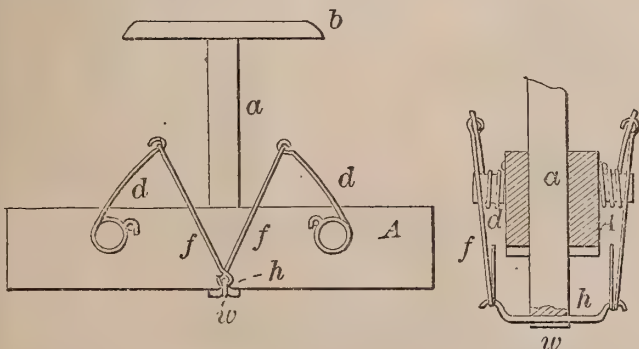
66487—I. Gregg—*For Treating Clay.*



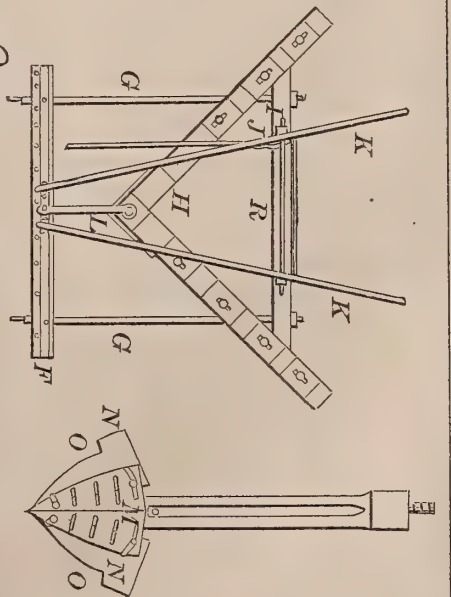
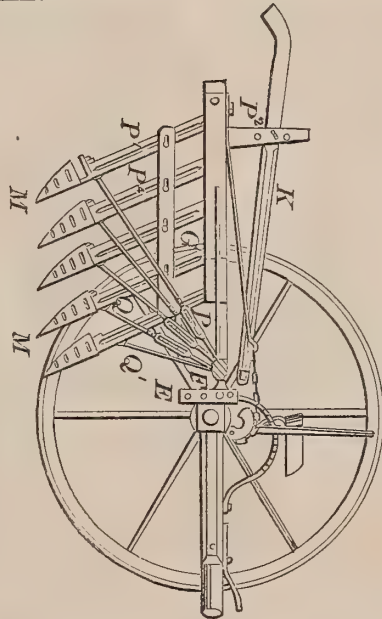
66489—Gudehus & Staake—*Foot Scraper and Umbrella Stand.*



66490—D. F. Haasz—*Bed Spring.*

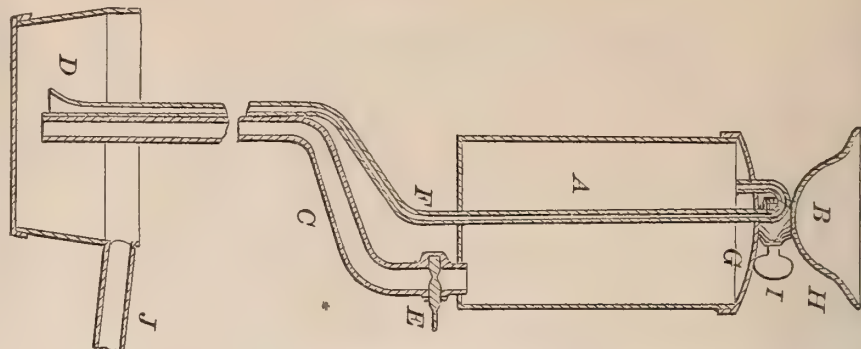


66491—Haskins & Hart—*Cultivator.*

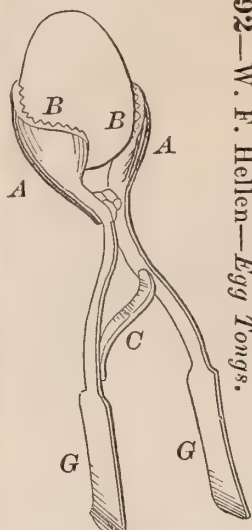




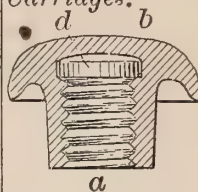
66494—H. Holcomb—Automatic Feed for Steam Pans.



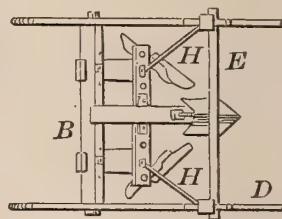
66492—W. F. Hellen—Egg Tongs.



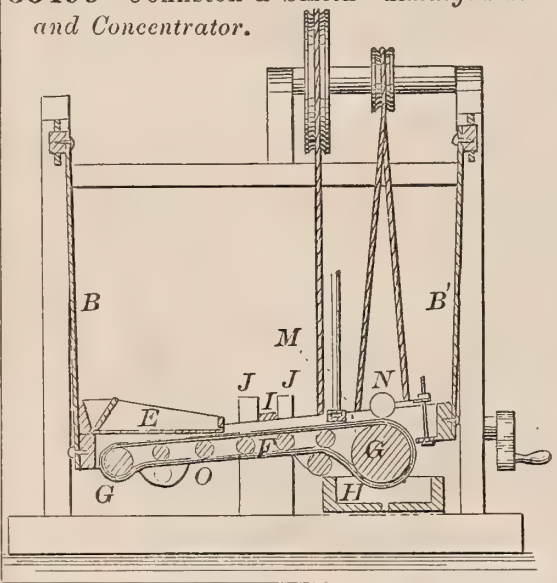
66496—J. Ives—Top Prop Nut for Carriages.



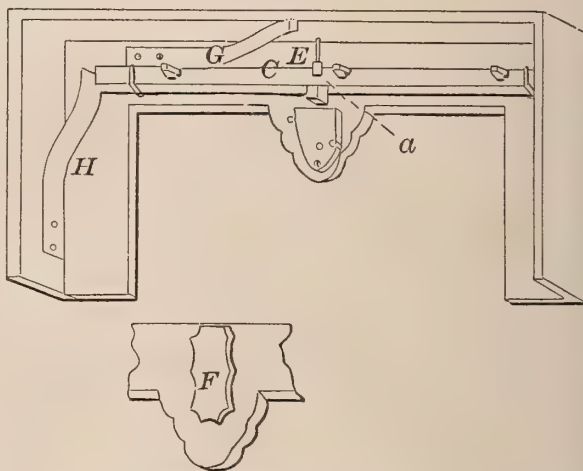
66495—H. Ingraham—Cultivator.



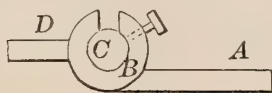
66499—Johnston &amp; Smith—Amalgamator and Concentrator.



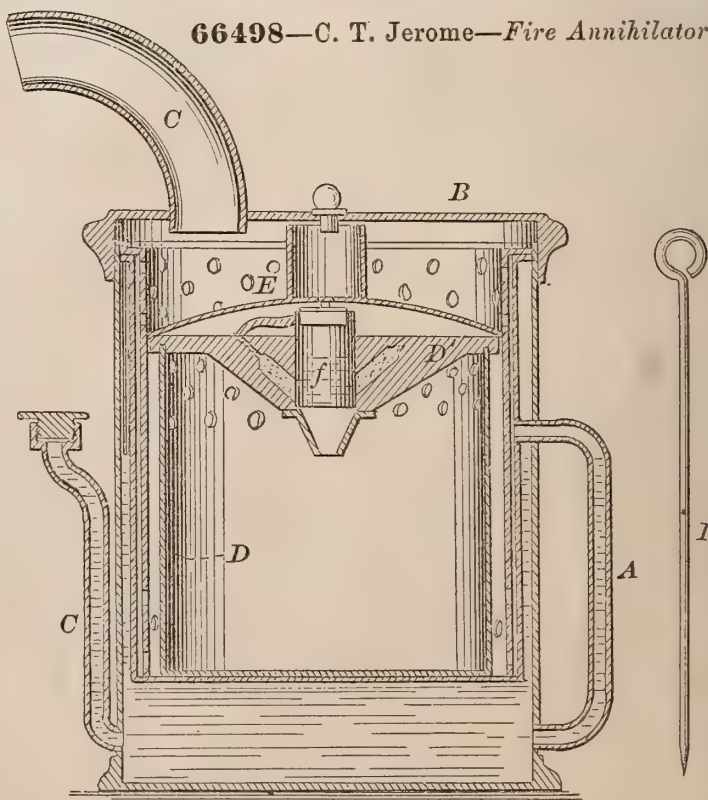
66497—T. James—Valise Lock.



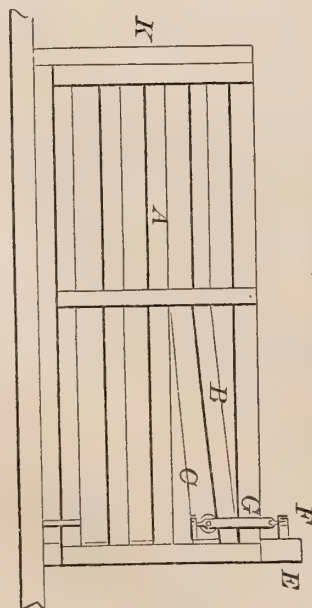
66493—H. R. Hoagland—Thill Attachment.



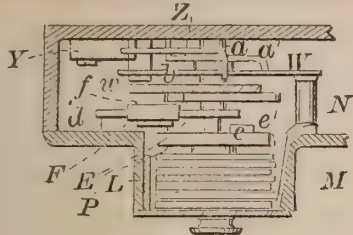
66498—C. T. Jerome—Fire Annihilator.



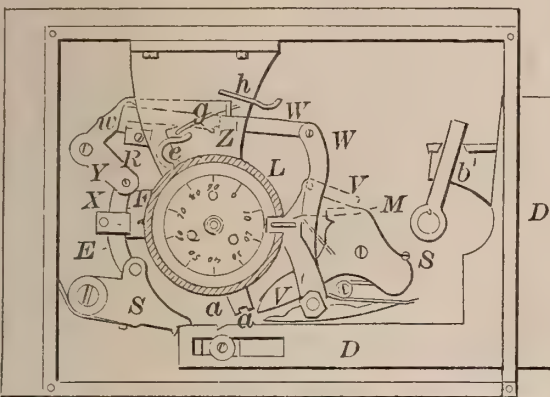
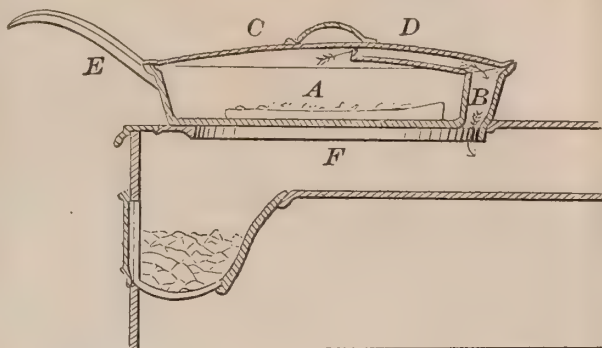
66501—H. H. Kelly—Farm Gate.



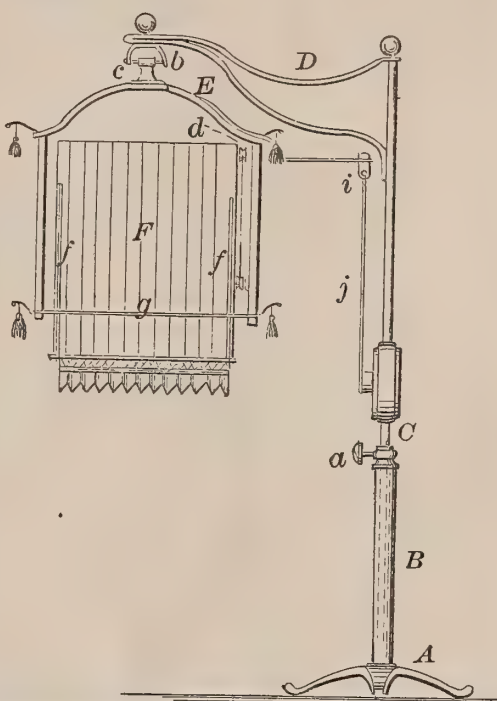
66502—W. F. Kistler—Permutation Lock.



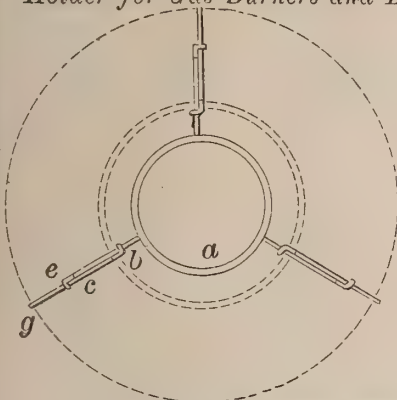
66503—G. H. Knight—Frying Pan.



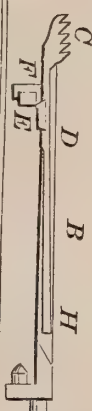
66507—W. O. Loeffler—Automatic Fan.



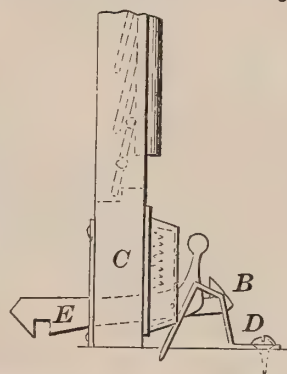
66504—H. Knowles—Shade Holder for Gas Burners and Lamps.



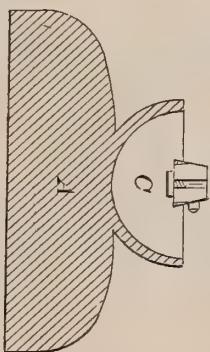
66505—S. Littlefield—Feed Bar for Sewing Machines.



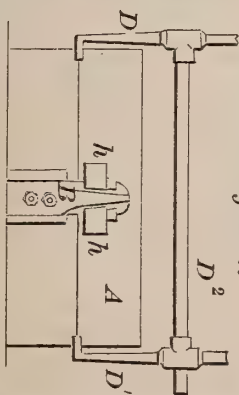
66510—N. F. Mathewson—Window Blind Fastening.



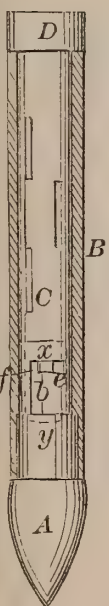
66513—Minor & Colburn—Tailors' Cragon Sharpener.



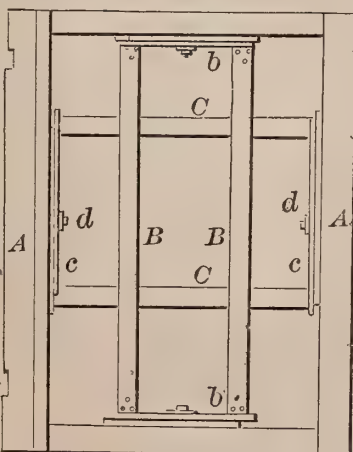
66508—T. L. Lunders—Moulding Box.



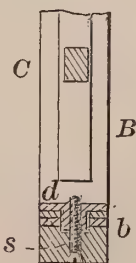
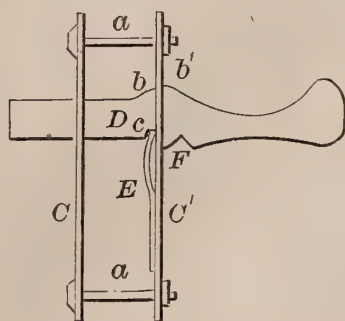
66506—I. A. Livingston—Well Tube and Point.



66514—J. N. Murray—Printers' Chase.

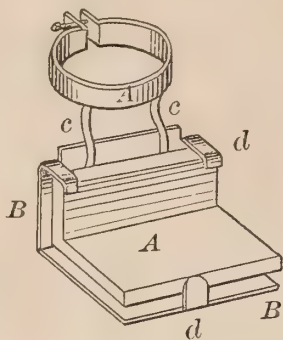


66515—E. Nicholson—Gate Latch.

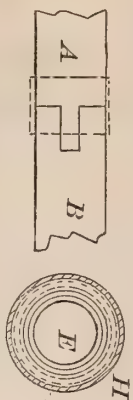




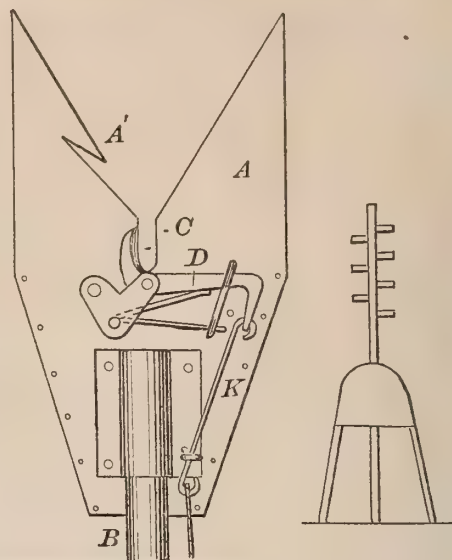
**66516**—L. Olds—*Stove Pipe Shelf.*



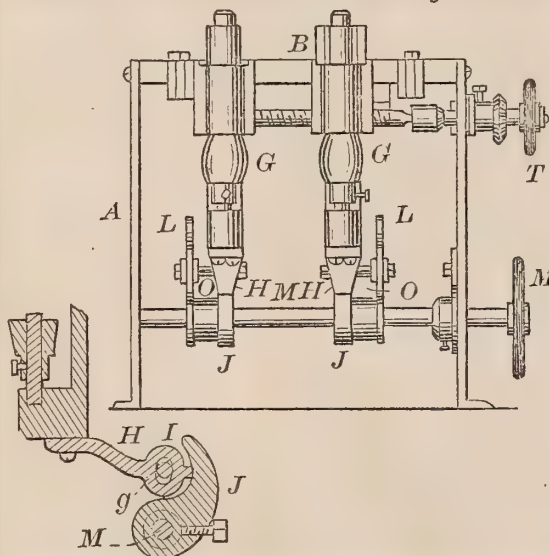
**66518**—Perry & Torrey—*Manufacture of Rubber Hose.*



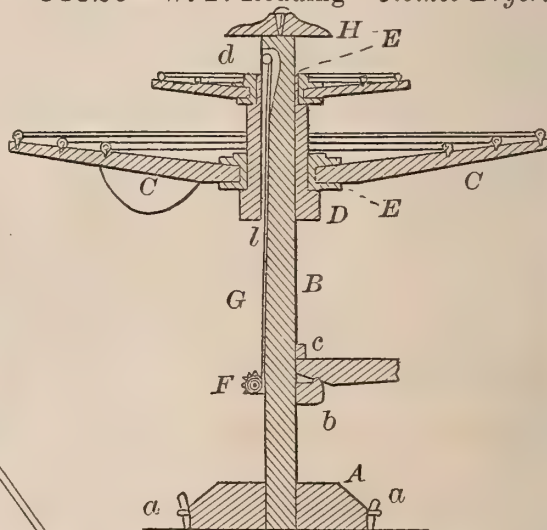
**66517**—S. Page—*Fruit Picker.*



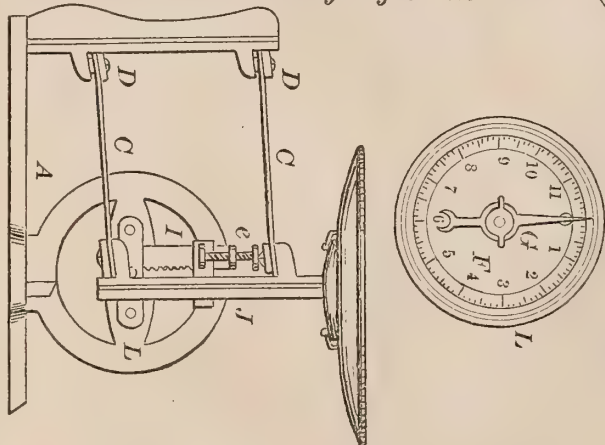
**66519**—F. J. Plummer—*Planing Machine.*



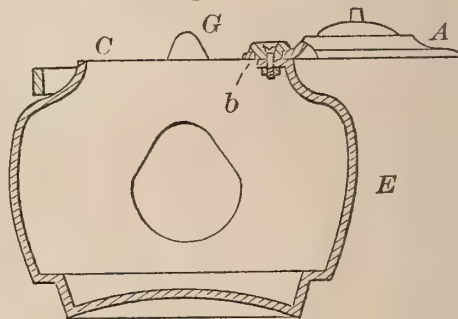
**66520**—W. F. Redding—*Clothes Dryer.*



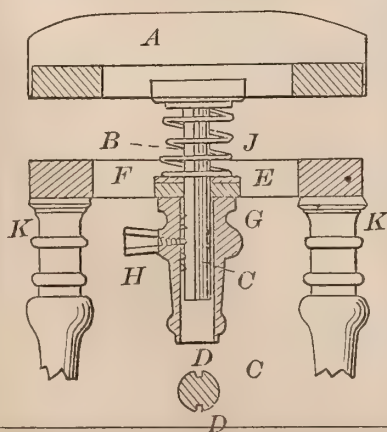
**66524**—R. Shaler—*Weighing Scale.*



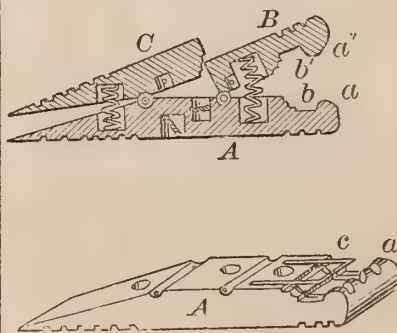
**66521**—E. Ripley—*Tea Kettle.*



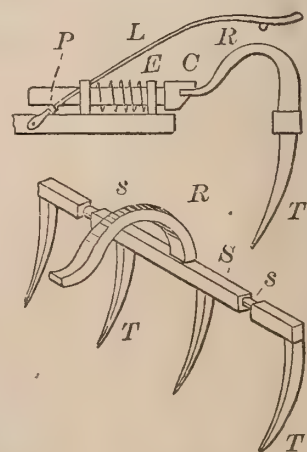
**66522**—G. Schmidt—*Piano Forte Stool.*



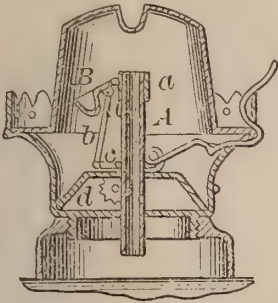
**66523**—E. Seaver—*Clothes Pin.*



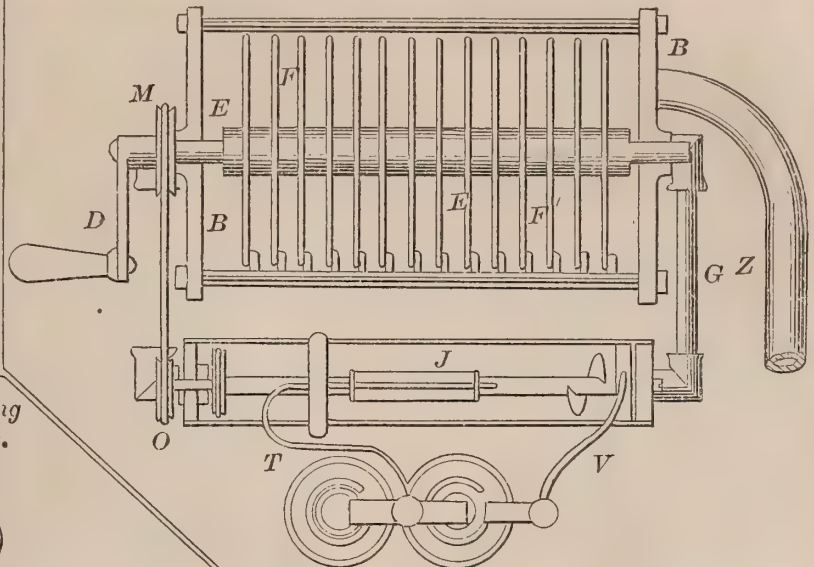
**66525**—A. H. Shock—*Manure Drag.*



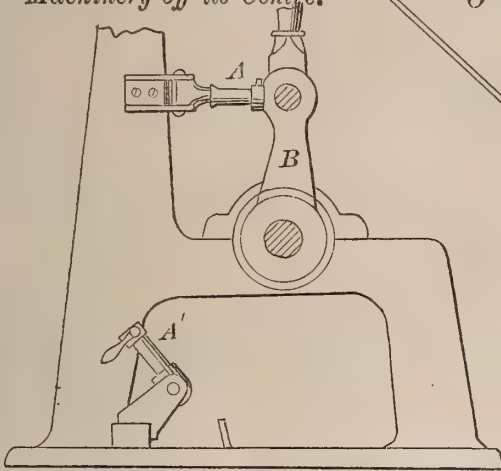
**66526**—Simpson & Edmunds—*Lamp Extinguisher.*



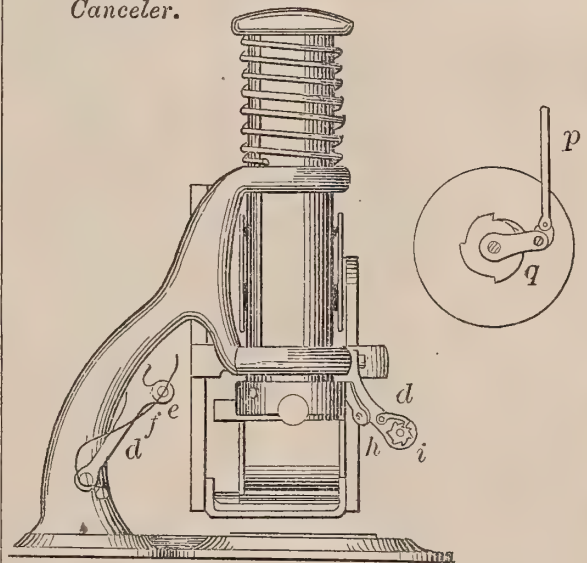
**66529**—H. J. Smith—*Amalgamating Precious Metals.*



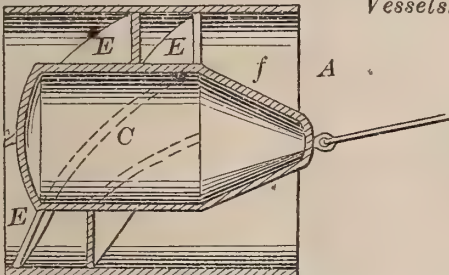
**66527**—A. Sims—*Starting Machinery off its Centre.*



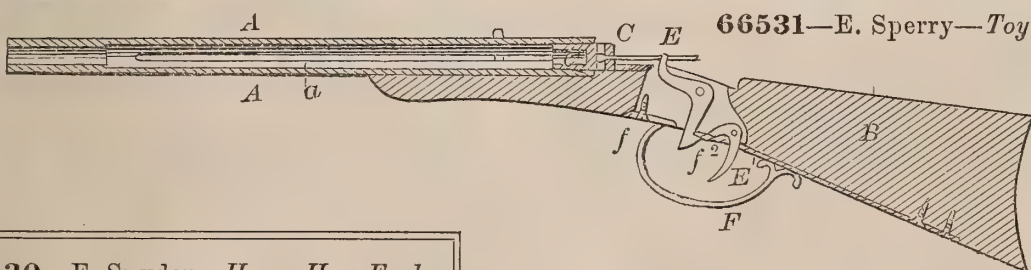
**66528**—T. A. Slack—*Stamp Affixer and Canceler.*



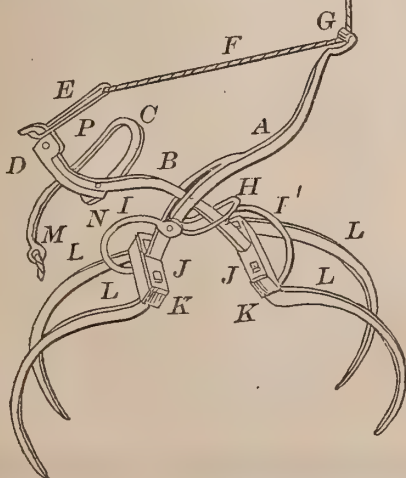
**66532**—J. Spilman—*Floating Wheel for Vessels.*



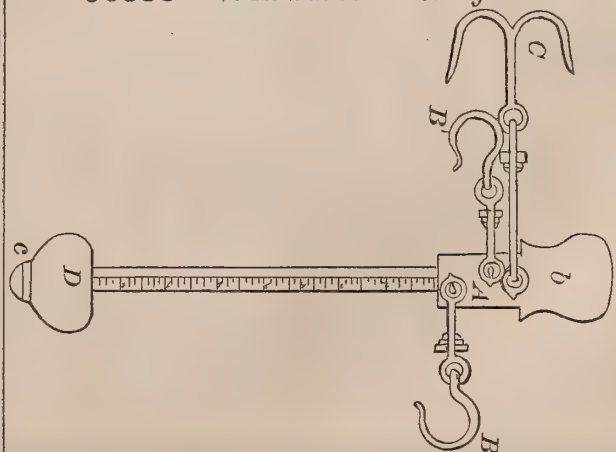
**66531**—E. Sperry—*Toy Gun.*



**66530**—F. Snyder—*Horse Hay Fork.*

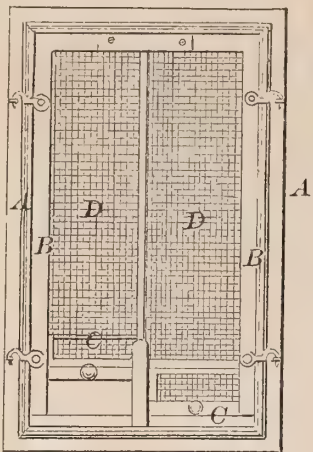


**66533**—W. A. Starratt—*Steelyards.*

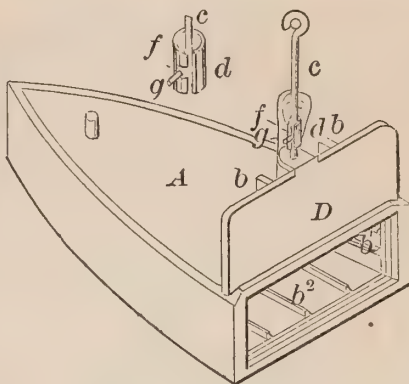




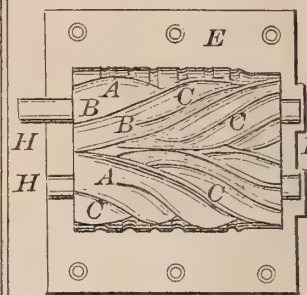
**66534**—T. Stover—*Mosquito Screen.*



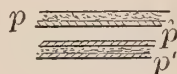
**66535**—E. H. Taylor—*Sad Iron.*



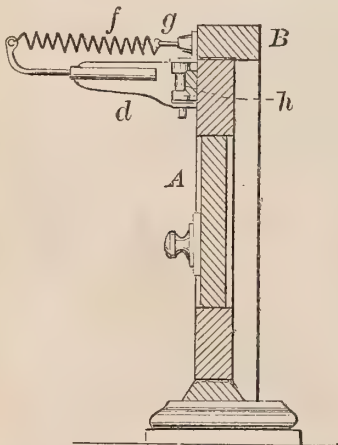
**66536**—W. H. Thomas—*For Grinding Clay.*



**66539**—E. Waite—*Carpet Wadding.*



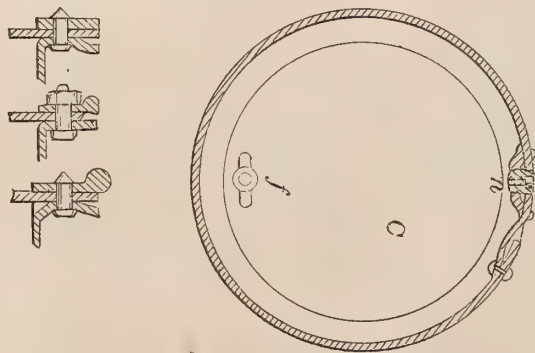
**66538**—T. Van Kannel—*Door Spring.*



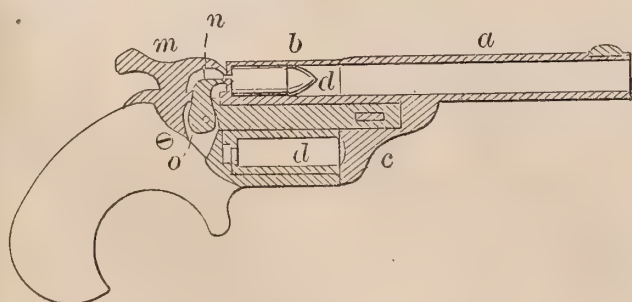
**66537**—T. Thumber—*Piston Packing.*



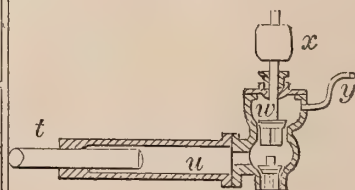
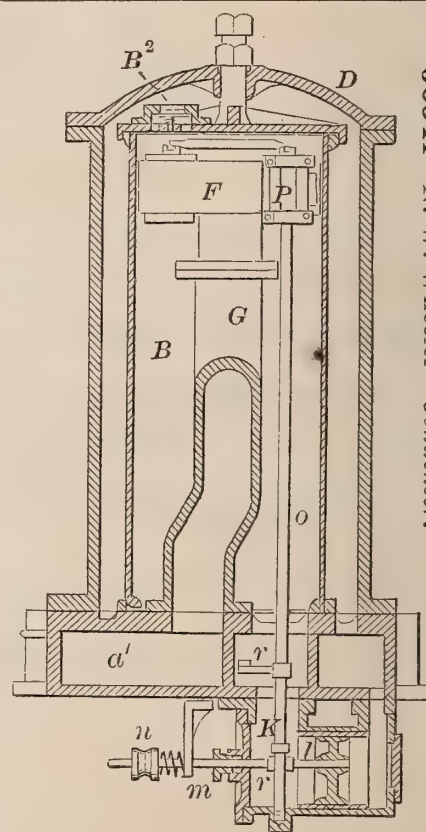
**66540**—M. Wappich—*Joint of Metallic Casks.*



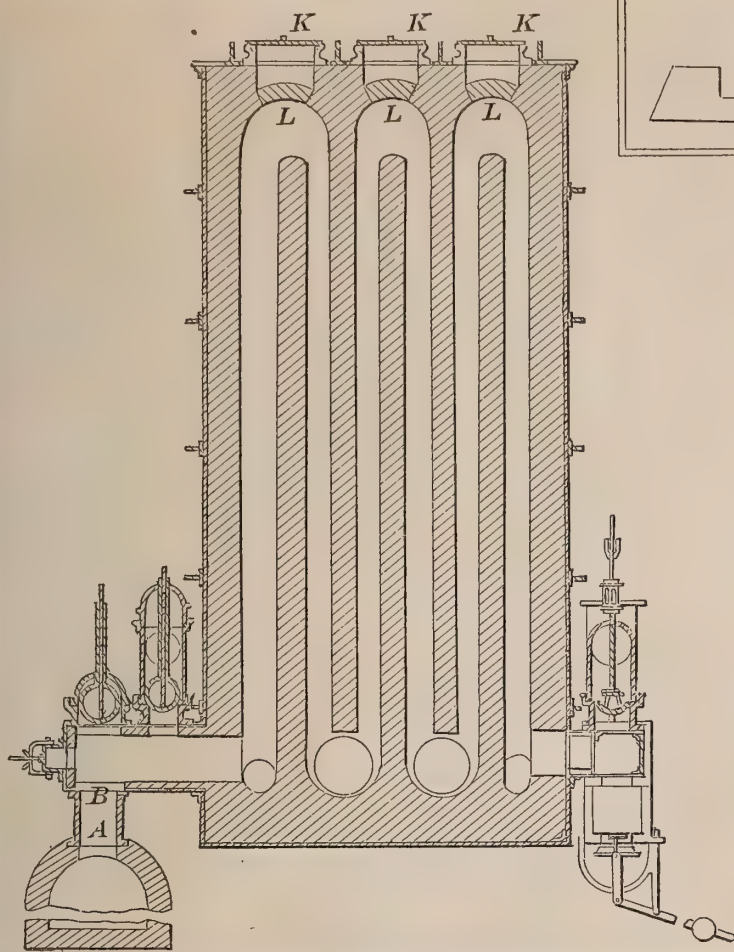
**66542**—R. White—*Revolving Fire Arm.*



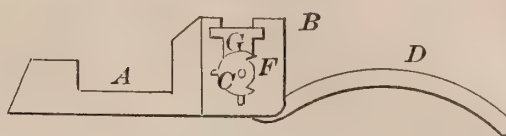
**66541**—N. W. Wheeler—*Condenser.*



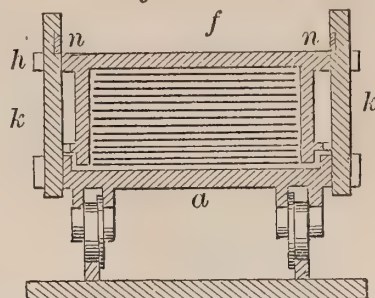
66543—T. Whitwell—*Blast Furnace.*



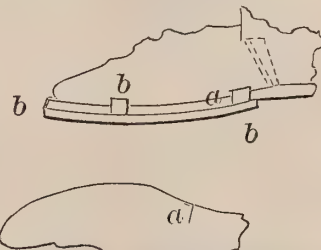
66544—C. A. Willard—*Carriage Shaft Coupling.*



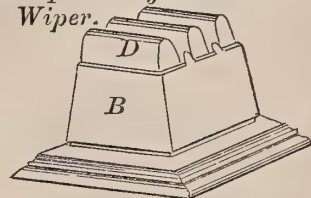
66546—W D Wood—*Annealing Sheet Iron.*



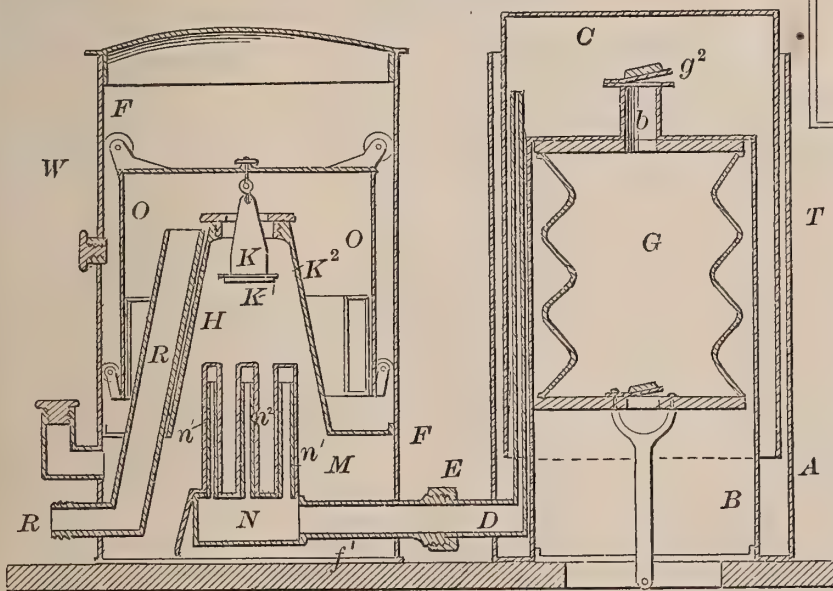
66548—F. Ashley—*Boot and Shoe Sole.*



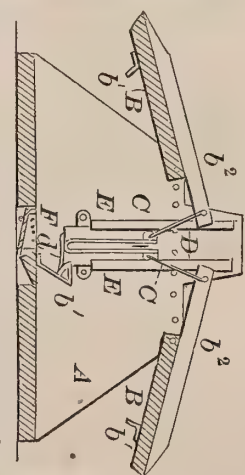
66547—D. W. Wright—*Paper Weight and Pen Wiper.*



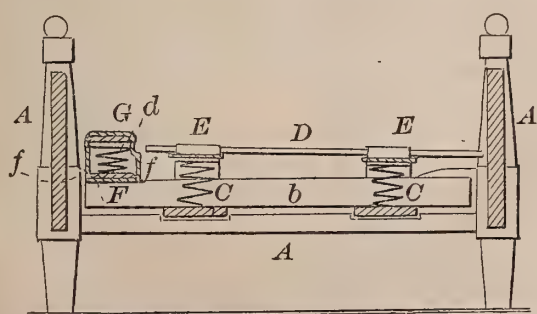
66545—J. S. Wood—*For Carburetting Air.*



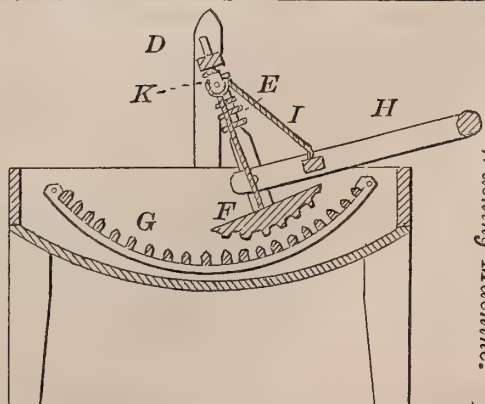
66550—L. V. Badger—*Animal Trap.*



66549—D. Babcock—*Bed Bottom.*

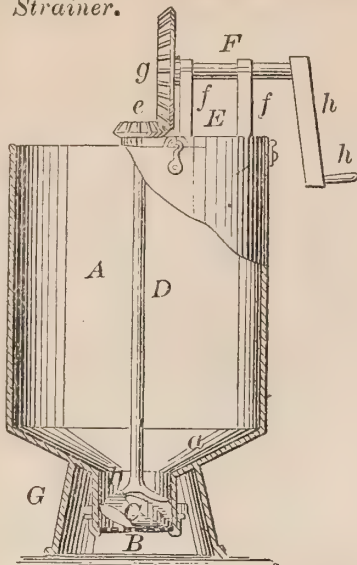


66551—D. S. Beckley—*Washing Machine.*

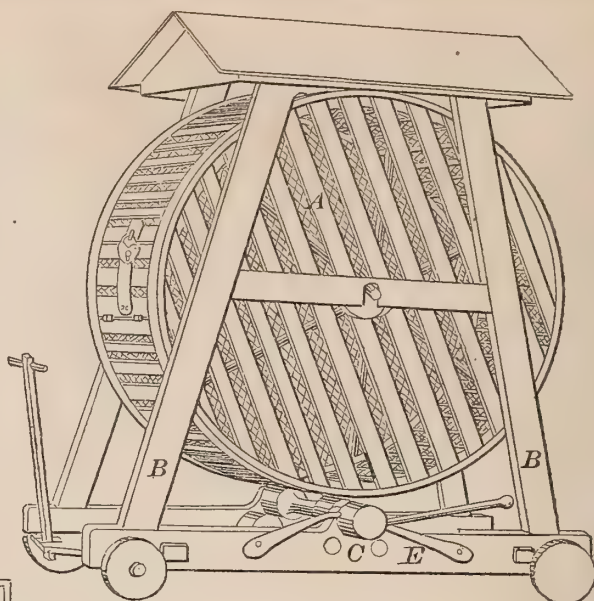




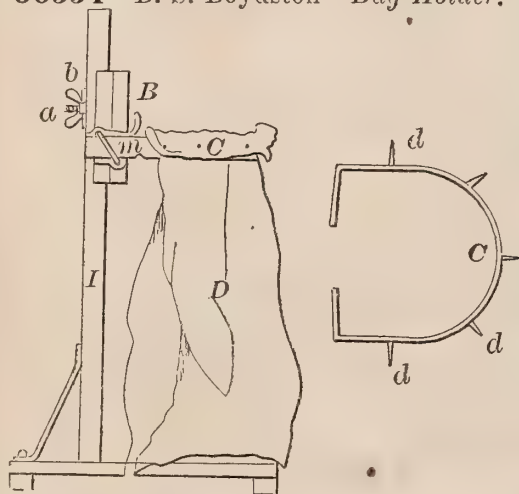
**66552**—G. J. Bennett—*Cream Strainer.*



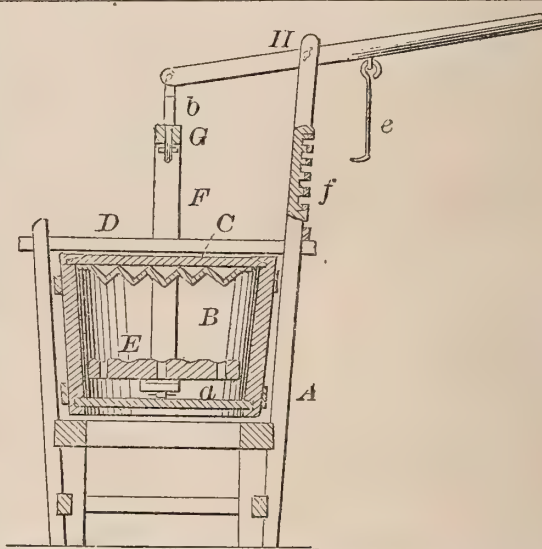
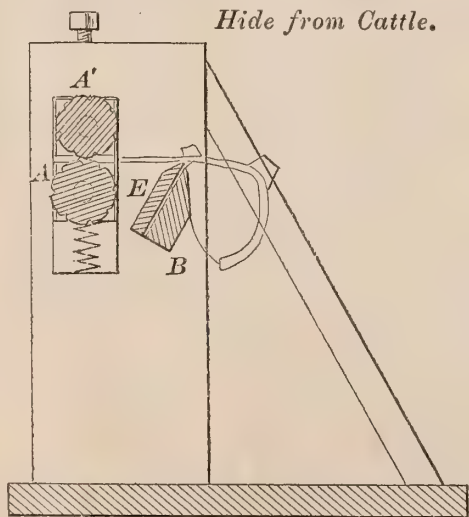
**66559**—J. Burt—*Grain Dryer.*



**66554**—B. S. Boydston—*Bag Holder.*

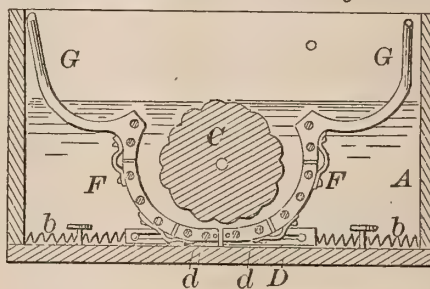


**66558**—C. Bruhl—*For Stripping the Hide from Cattle.*

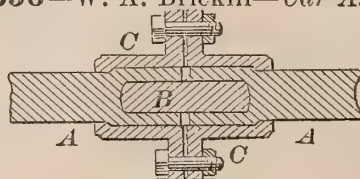


**66553**—W. Bicknell—*Washing Machine.*

**66555**—S. Brackett—*Washing Machine.*



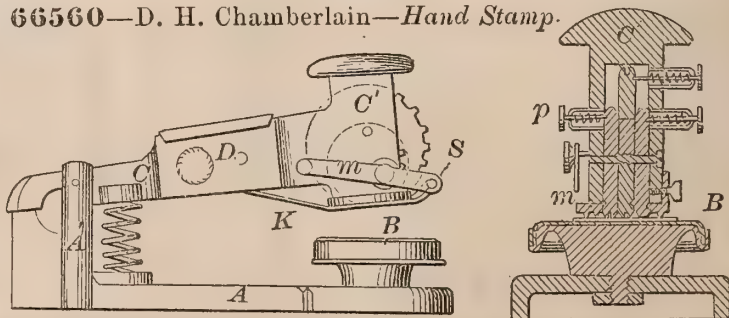
**66556**—W. A. Brickill—*Car Axle.*



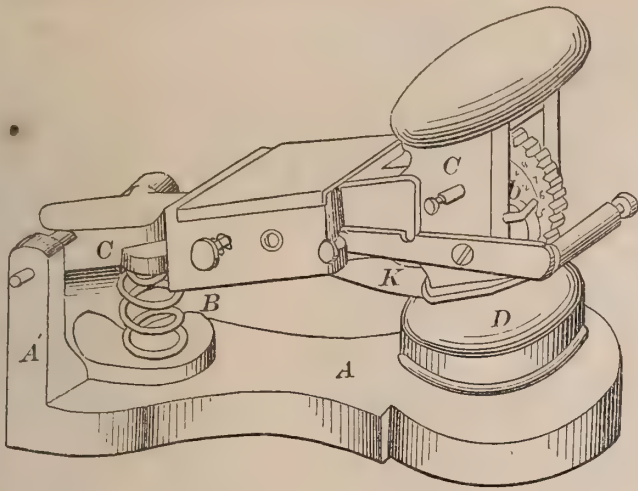
**66557**—J. H. Bridgins—*Ice Pick.*



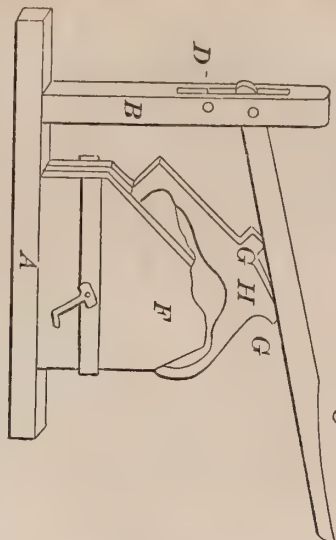
**66560**—D. H. Chamberlain—*Hand Stamp.*



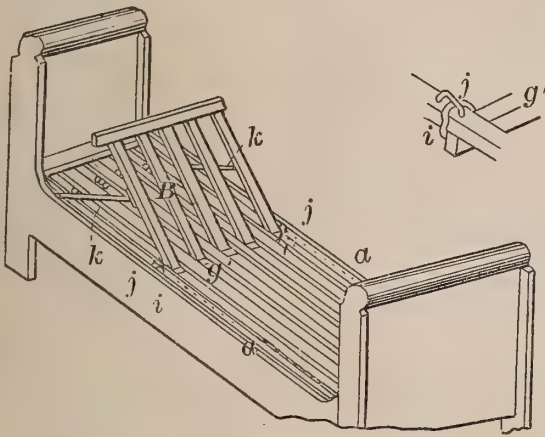
66561—D. H. Chamberlain—*Hand Stamp.*



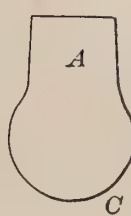
66566—H. Conklin—*Boot Crimping Machine.*



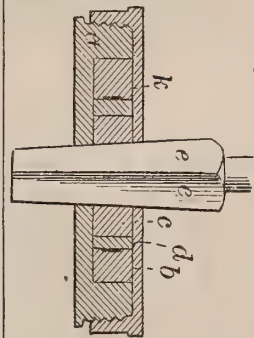
66564—D. C. Colby—*Bed Bottom.*



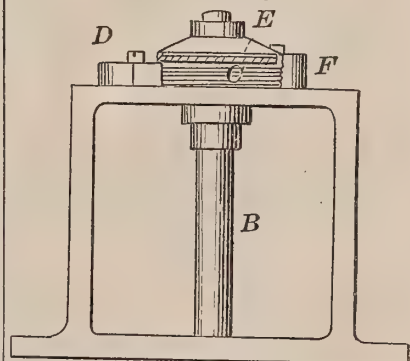
66563—D. W. Colburn—*Are.*



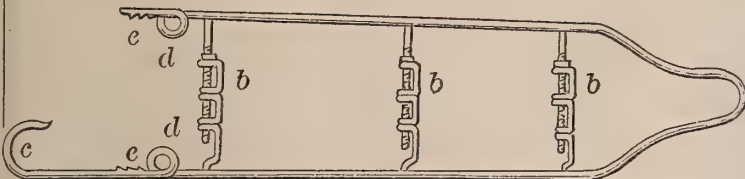
66562—N. L. Chamberlain—*Die for Raising Letters.*



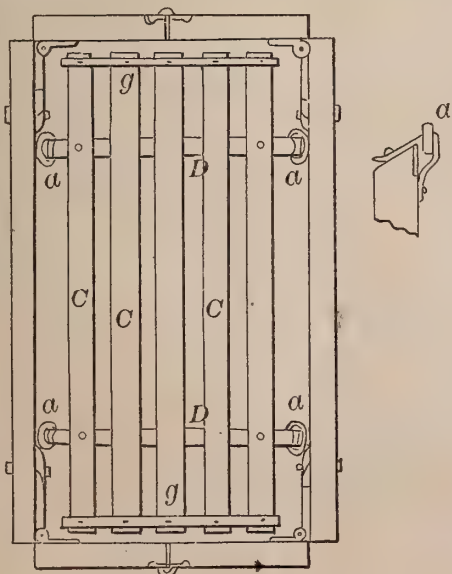
66568—E. Croft—*For Making Screws.*



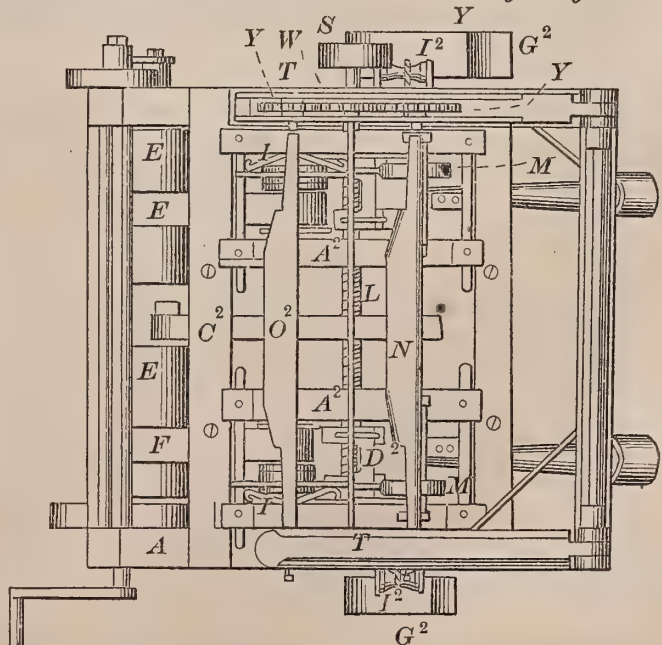
66565—V. Colvin—*For Stretching and Drying Skins.*



66567—H. A. Cooke—*Bed Bottom.*

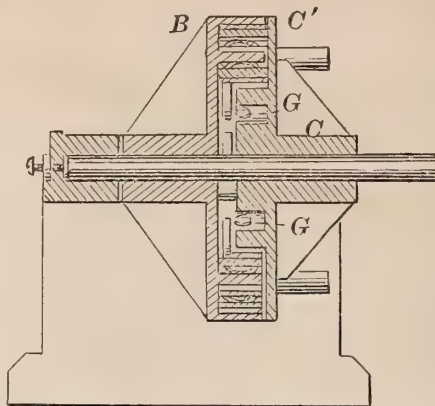
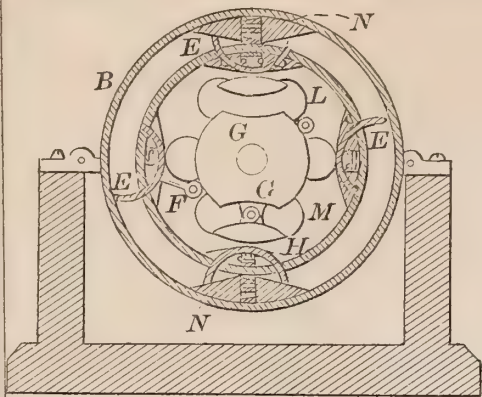
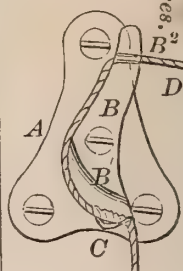


66569—J. E. Cromwell—*For Forming Wagon Axles.*

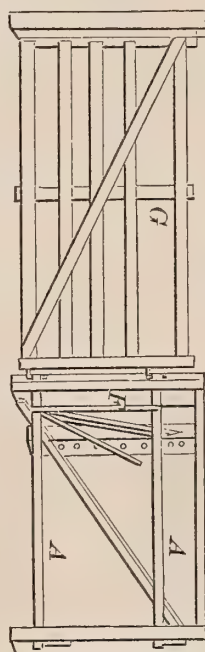
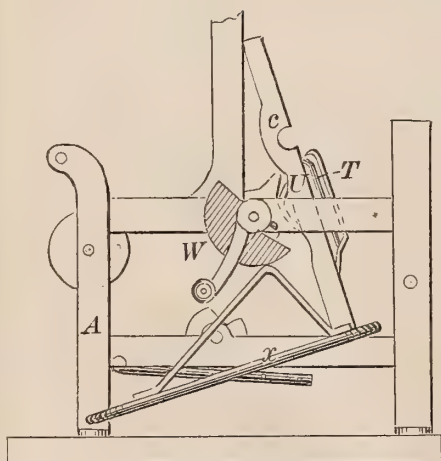




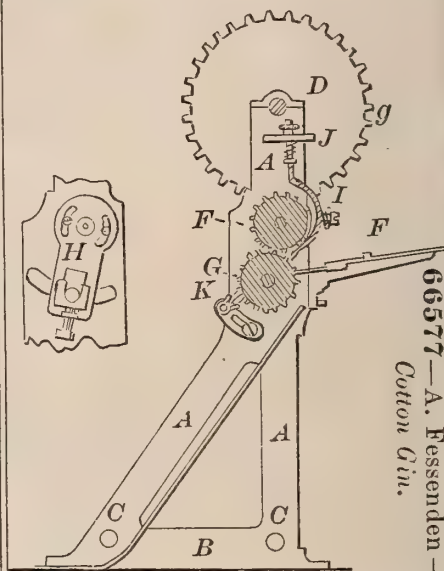
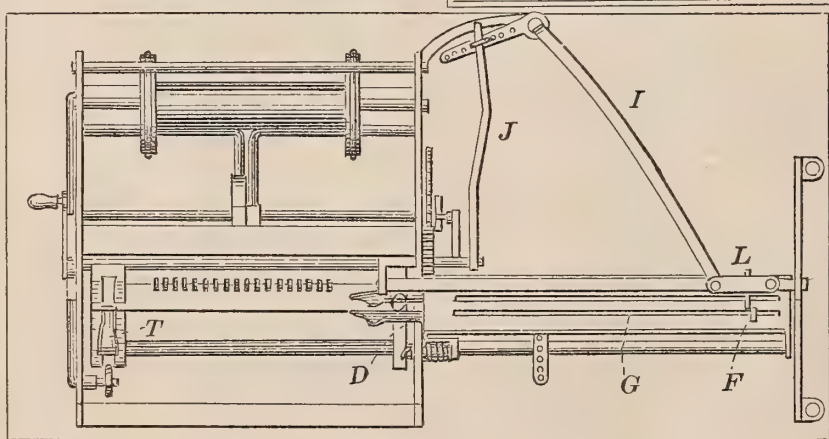
66570—J. Darling—Rotary Steam Engine.

66575—J. H. Elward—Clamp for  
Ropes or Wires.

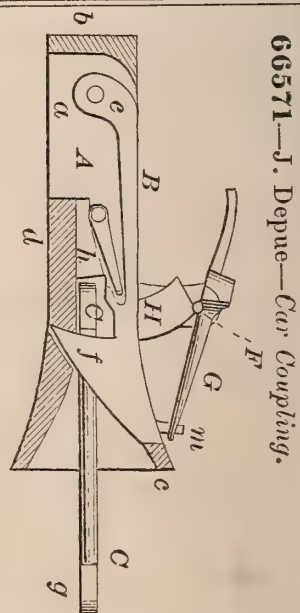
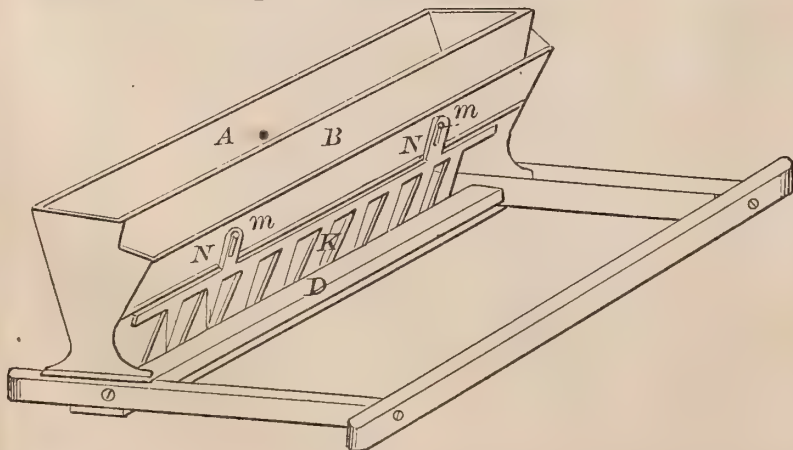
66574—J. Earnshaw—Loom.



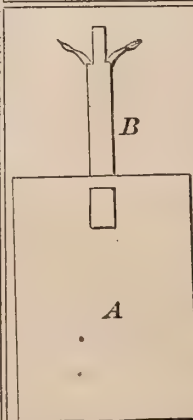
66572—W. R. Dugdale—Gate.

66577—A. Fessenden—  
Cotton Gin.

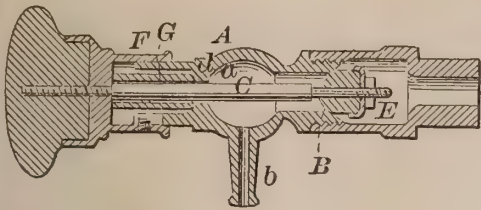
66578—J. P. Fulghum—Seed Drill.



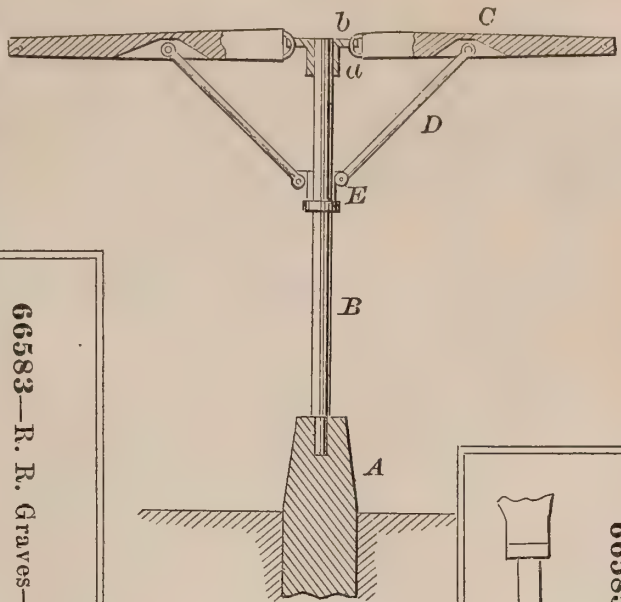
66571—J. Depue—Car Coupling.

66576—J. Emery—Lamp  
Shade.

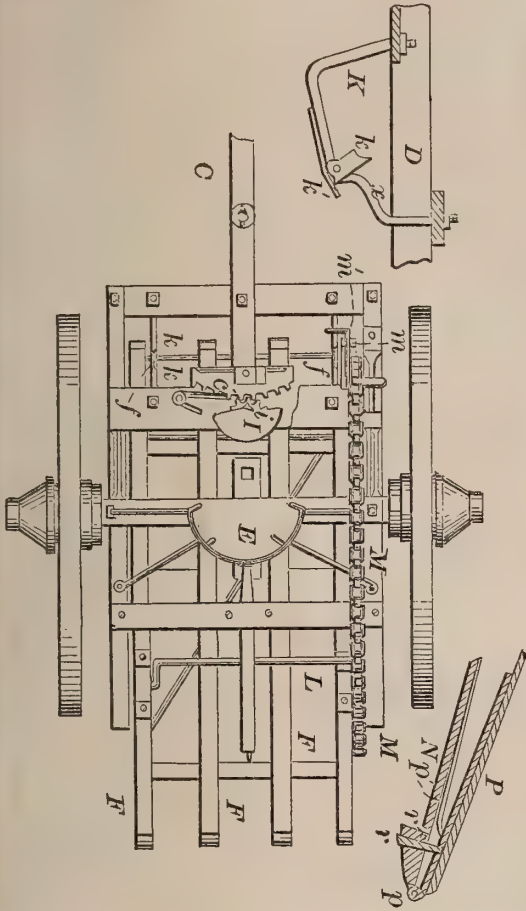
66579—A. Fuller—Gauge Cock.



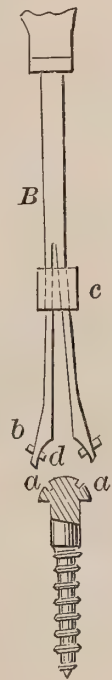
66582—H. Gransden—Clothes Dryer.



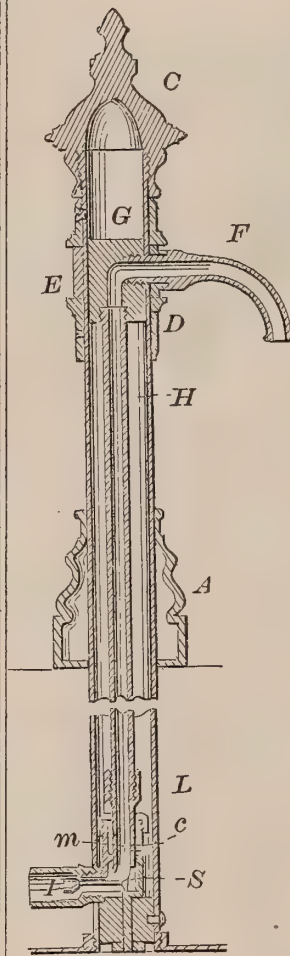
66583—R. R. Graves—Gang Plow.



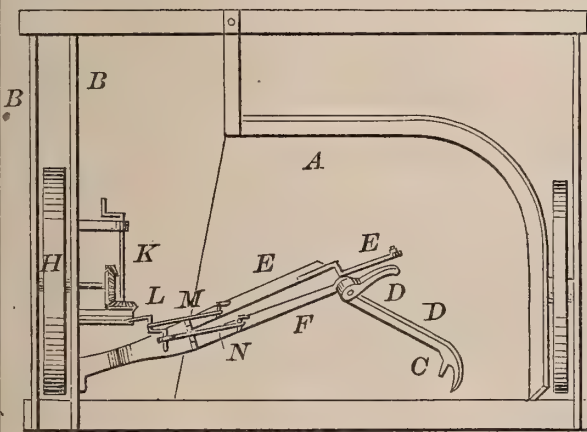
66585—H. A. Harvey—Screw.



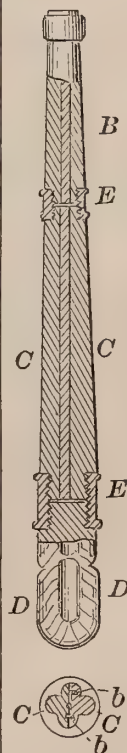
66580—A. Fuller—Hydrant Valve.



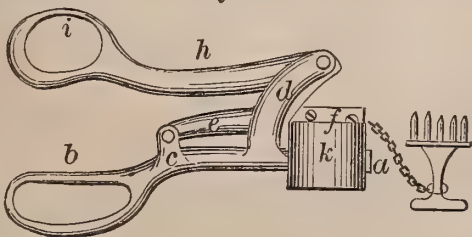
66584—J. C. Hall—Harvester Rake.



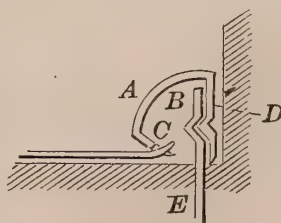
66586—J. Harvey—Bone Handle for Cues.



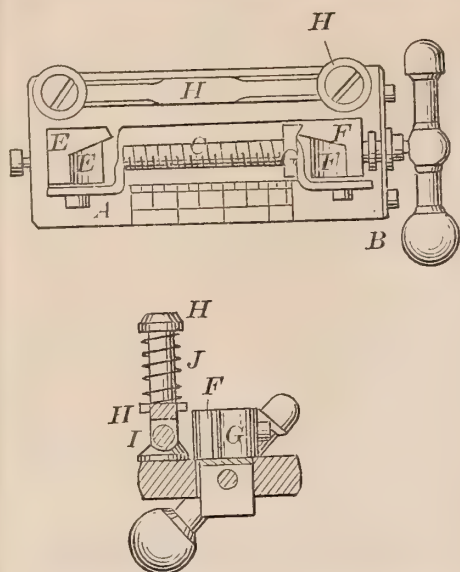
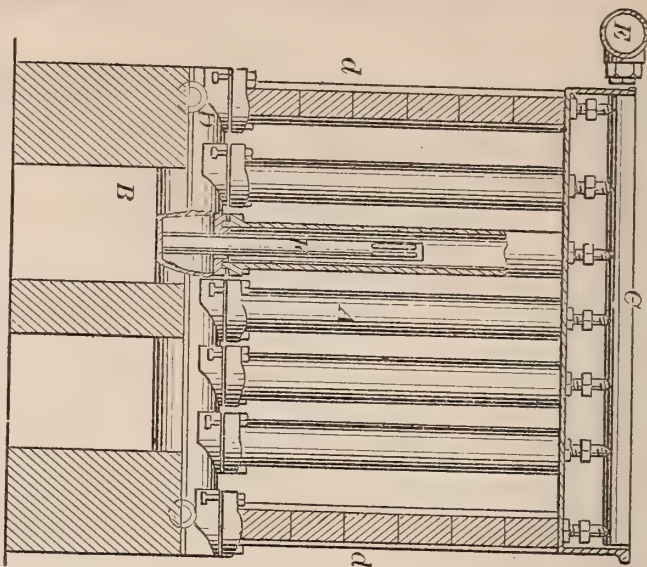
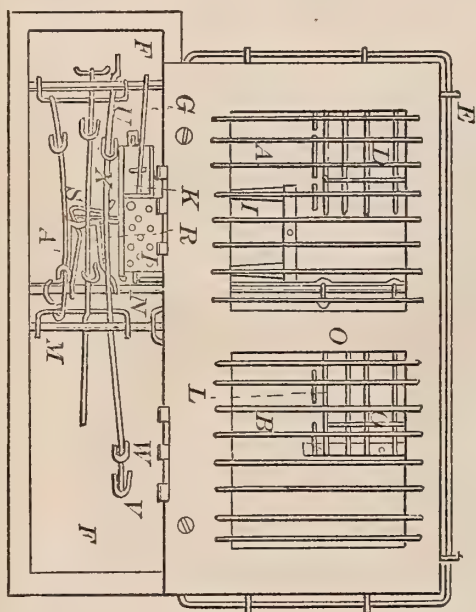
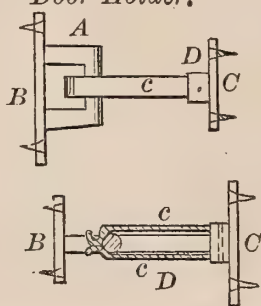
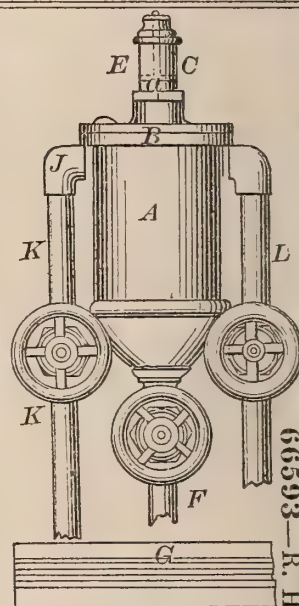
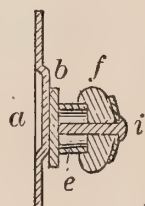
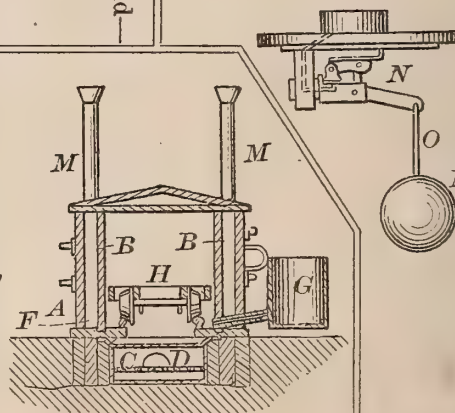
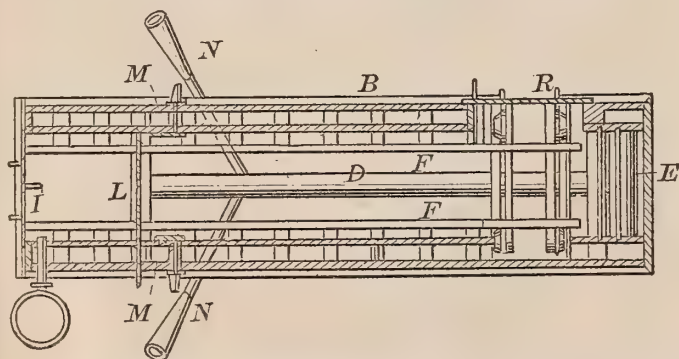
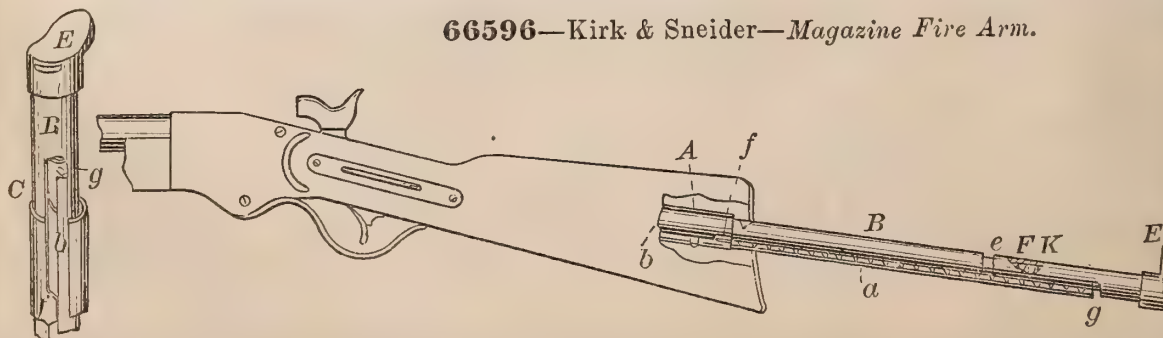
66587—E. K. Haynes—Hand Tobacco Cutter.



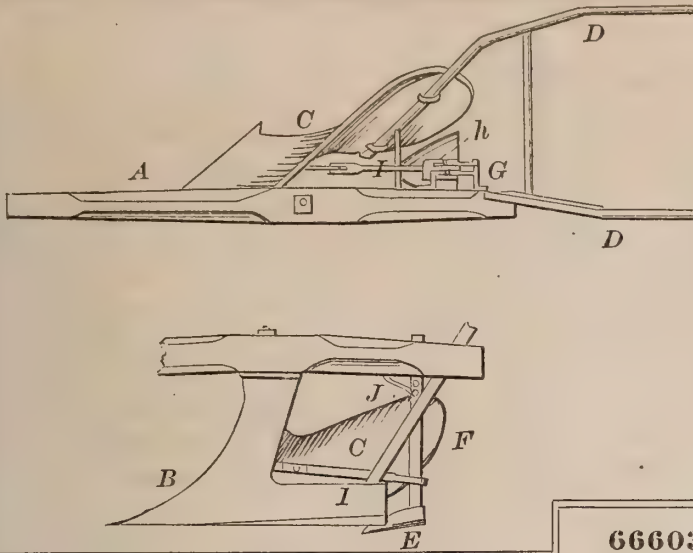
66588—L. S. Hicks—Carpet Fastener.



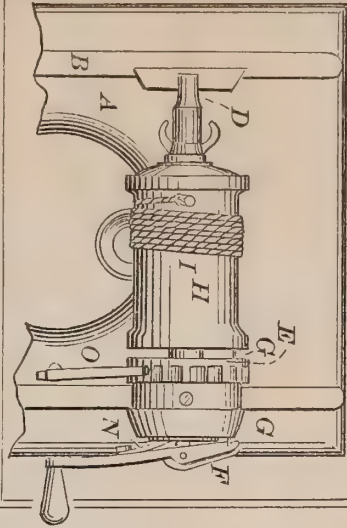


66589—A. V. Hill—*Tug Trimmer.*66590—Howard & Bousfield—*Steam Generator.*66592—G. Irwin—*Animal Trap.*66591—E. Huddart—*Door Holder.*66595—A. D. Judd—*Cupboard Latch.*66593—R. H. Jackson—*Boiler Safety Gauge.*66594—R. P. Johnson—*For Drying Lumber.*66596—Kirk & Sneider—*Magazine Fire Arm.*

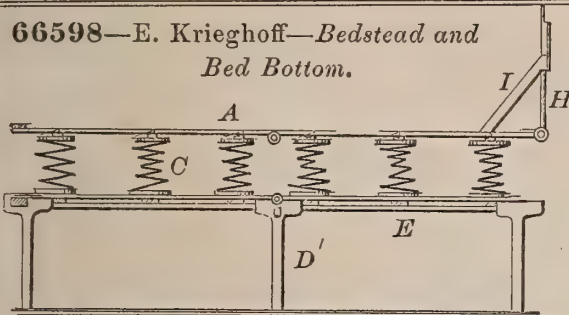
66597—J. A. Krake—*Subsoil Attachment to Plows.*



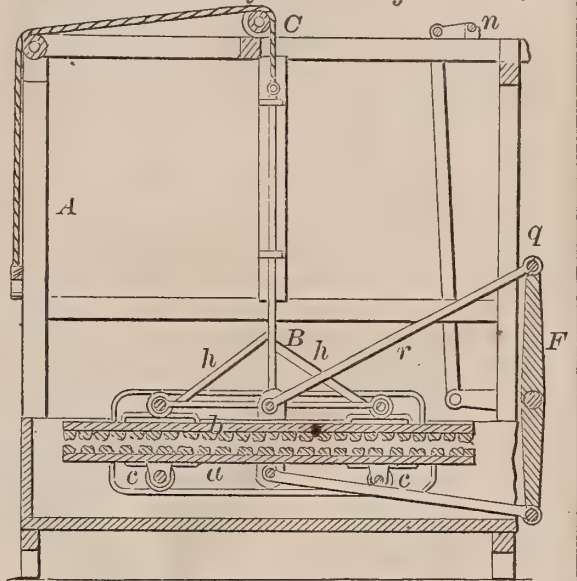
66600—S. C. Lewis—*Water Elevator.*



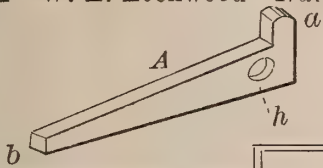
66598—E. Kriehoff—*Bedstead and Bed Bottom.*



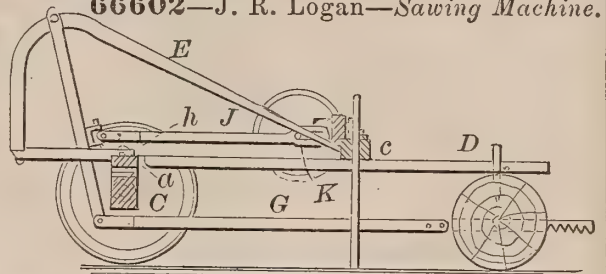
66603—W. A. Lyon—*Felting Machine.*



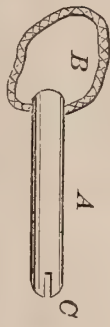
66601—W. E. Lockwood—*Nail.*



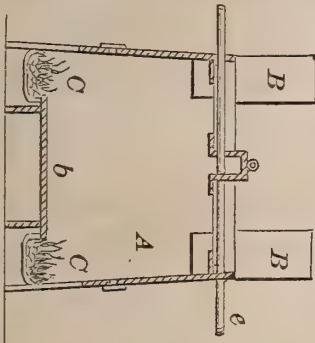
66602—J. R. Logan—*Sawing Machine.*



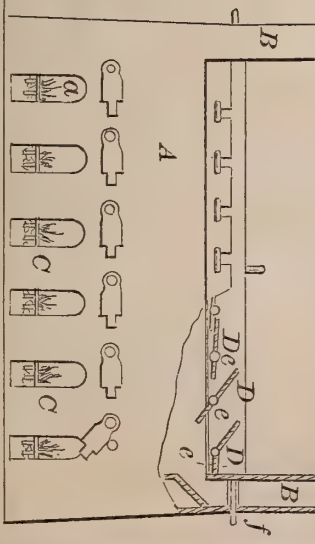
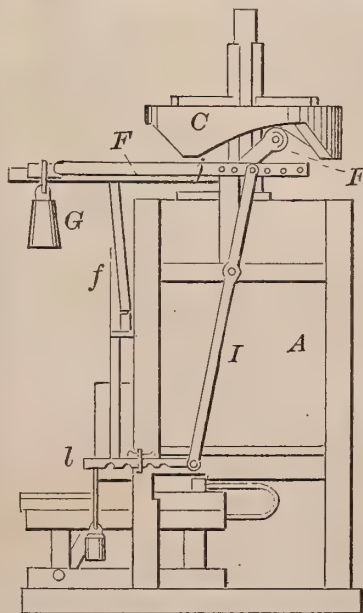
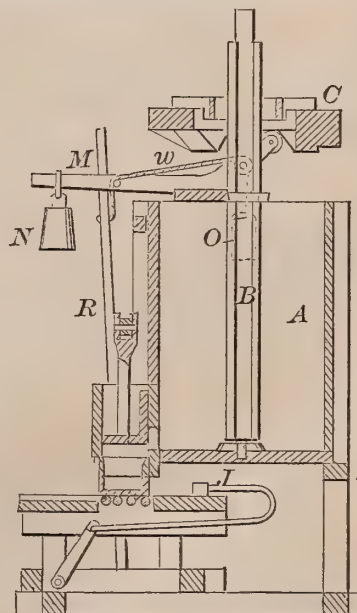
66599—Lavis & McMillan—*Hair Curler.*



66604—A. S. McBride—*Brick Kiln.*

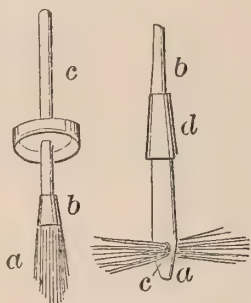


66605—C. C. & J. McDermid—*Brick Machine.*

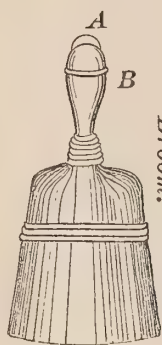
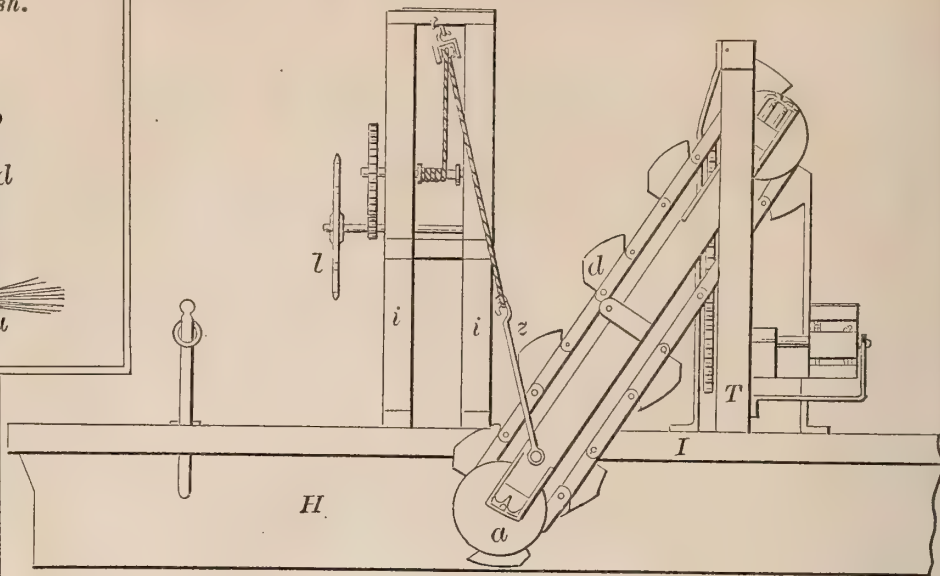




**66606**—J. W. McGill—*Mucilage Brush.*

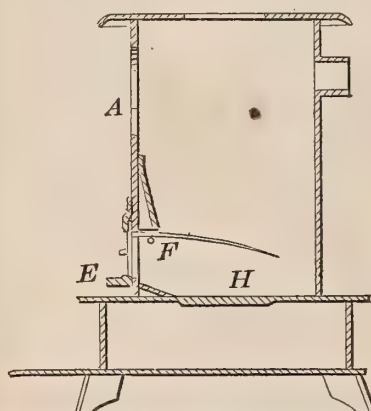


**66608**—J. H. McLean—*Dredging Machine.*

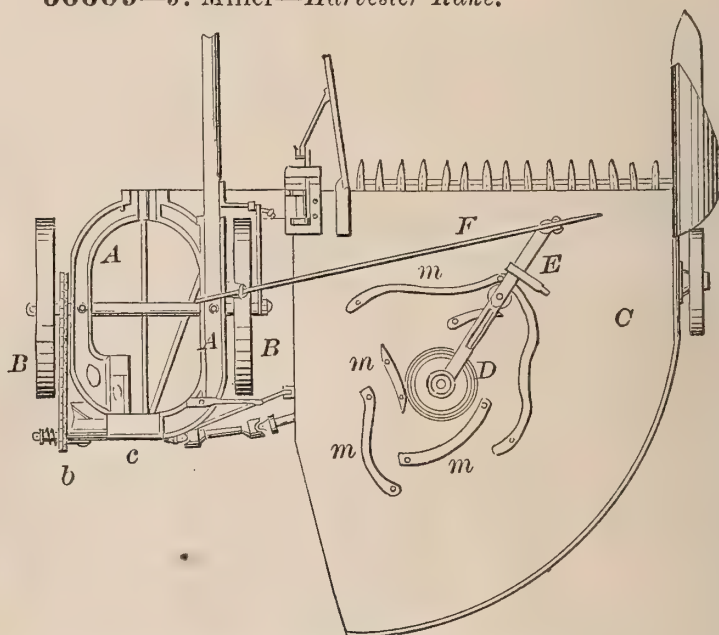


**66611**—B. Morahan—*Clothes Broom.*

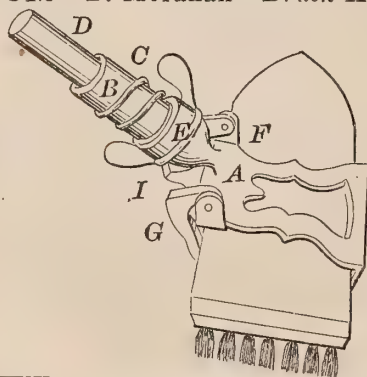
**66610**—G. R. Moore—*Coal Stove.*



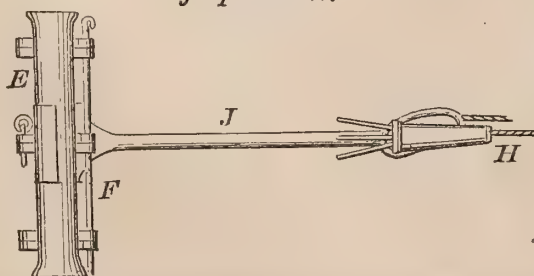
**66609**—J. Miller—*Harvester Rake.*



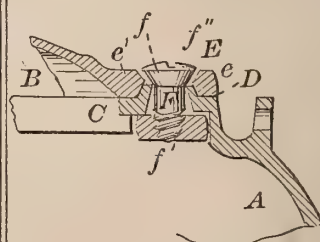
**66612**—B. Morahan—*Brush Holder.*



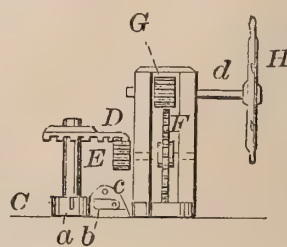
**66613**—S. E. & G. L. Morse—*Submarine Telegraph Cable.*



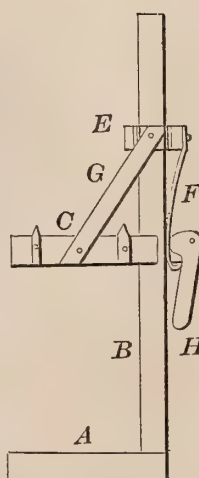
**66607**—E. McGrann—*Tea Kettle.*



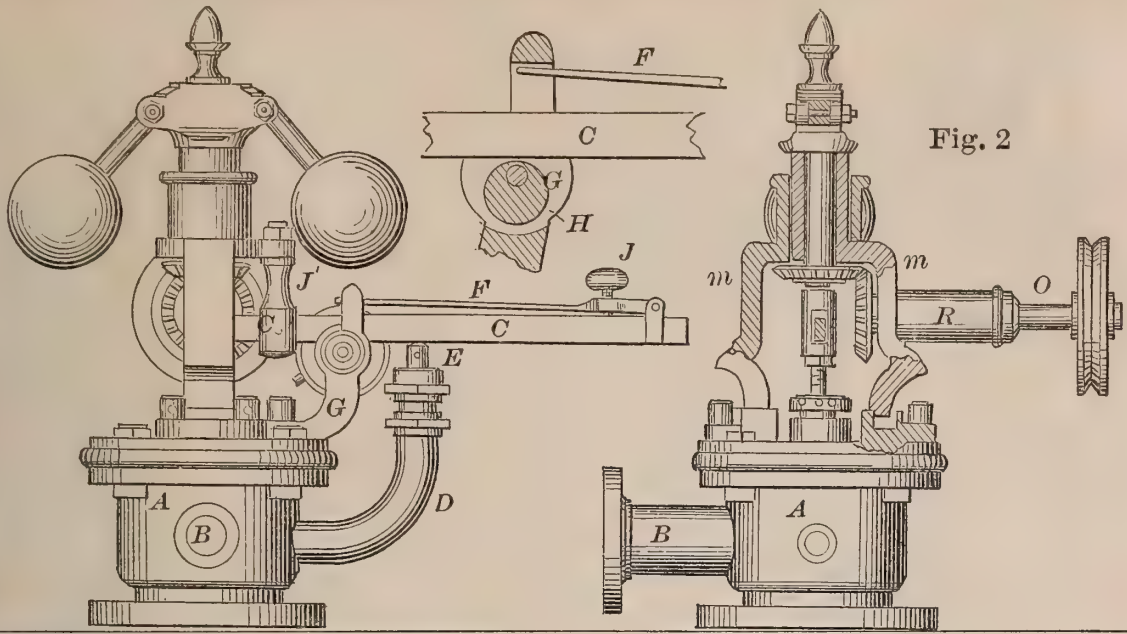
**66615**—T. W. Murray—*Steering Apparatus.*



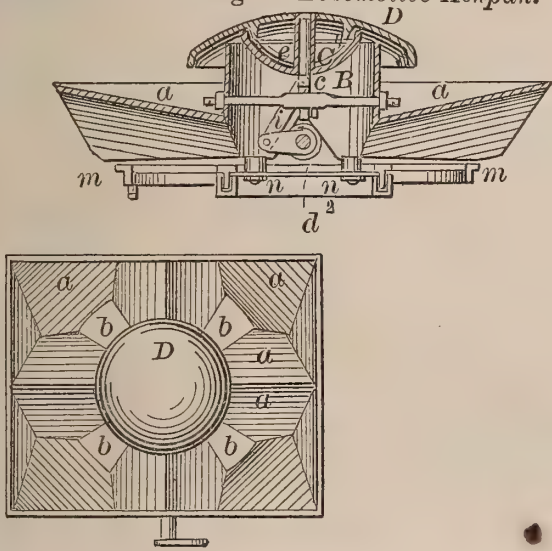
**66614**—E. S. Moulton—*Bag Holder.*



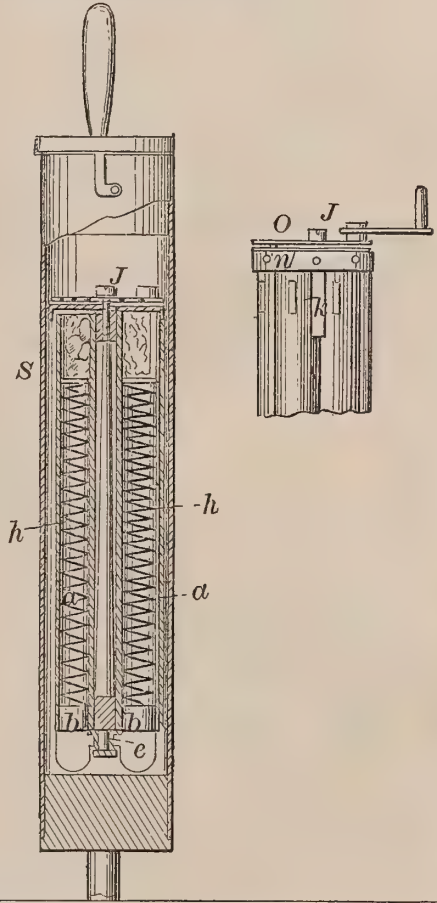
66617—Nutz & Estes—Governor.



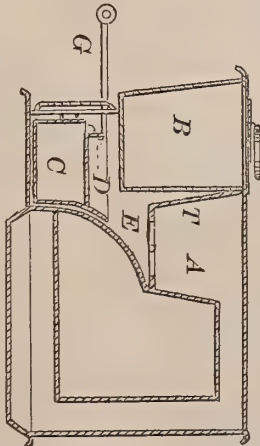
66618—A. Ohlenslager—Locomotive Ashpan.



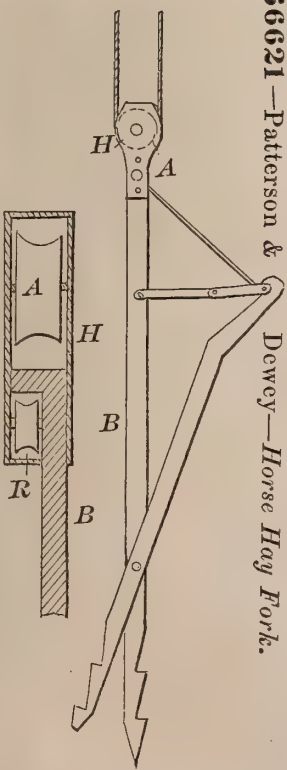
66619—H. W. Oliver—Spice Grater.



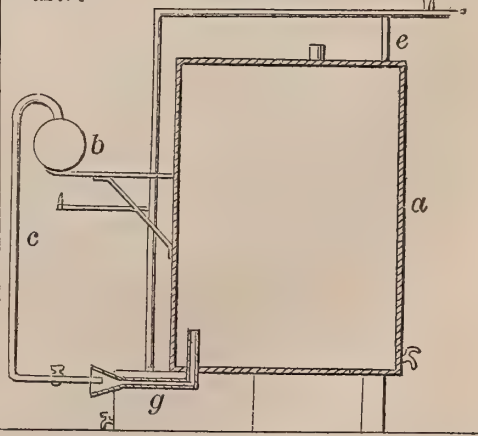
66620—D. E. Paris—Cooking Stove.



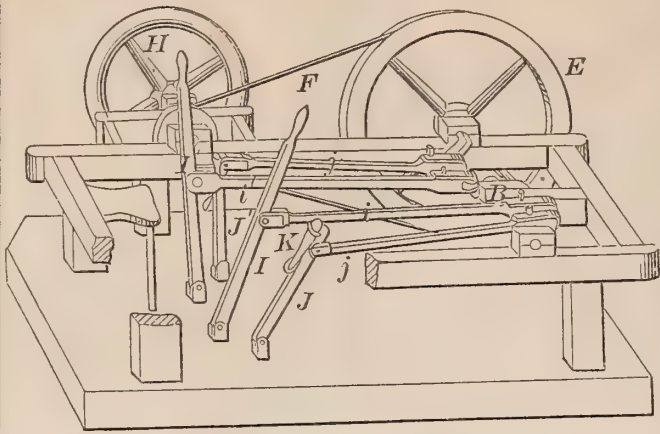
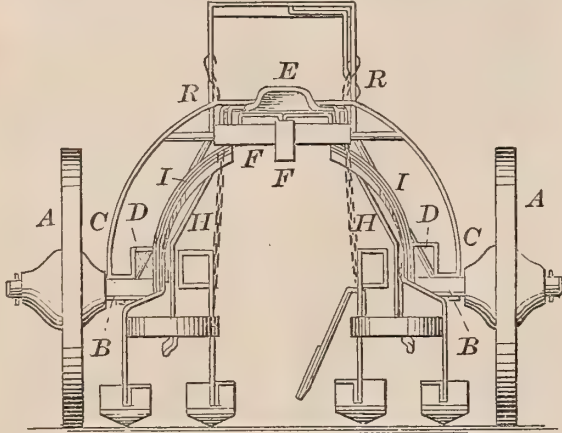
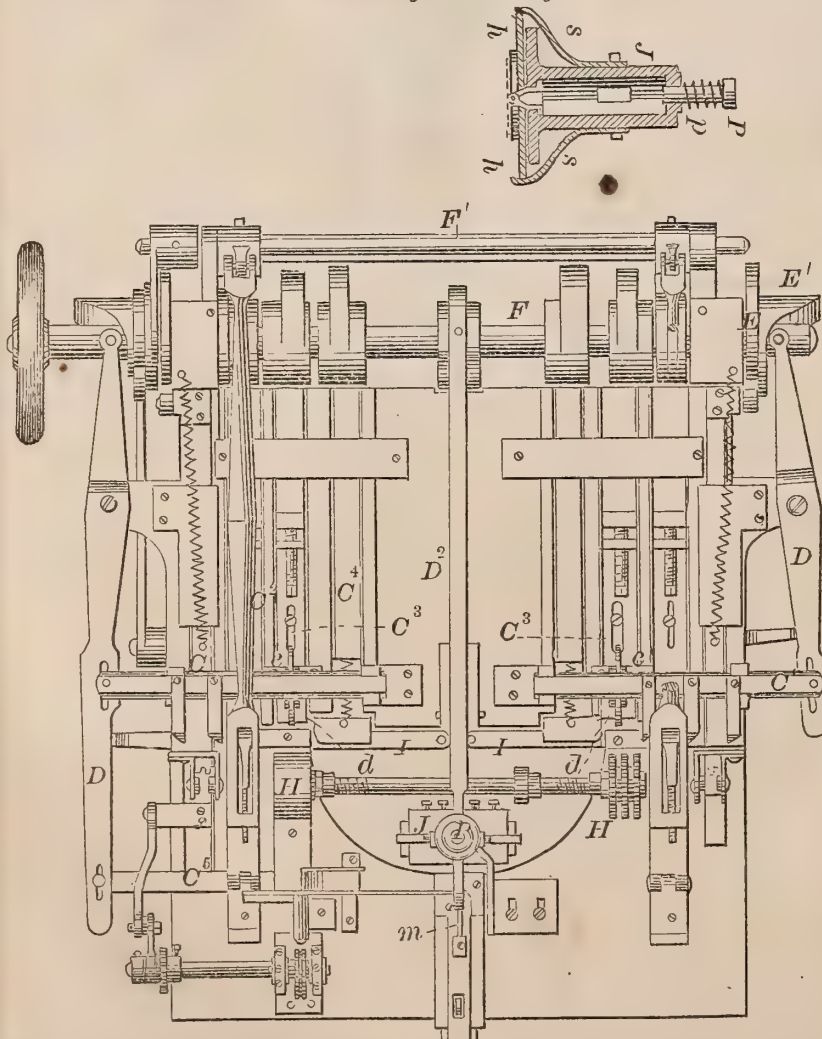
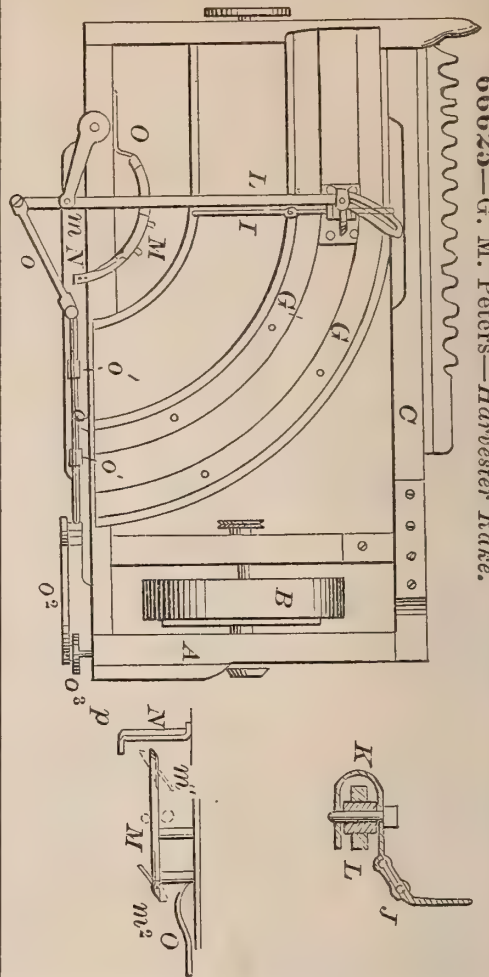
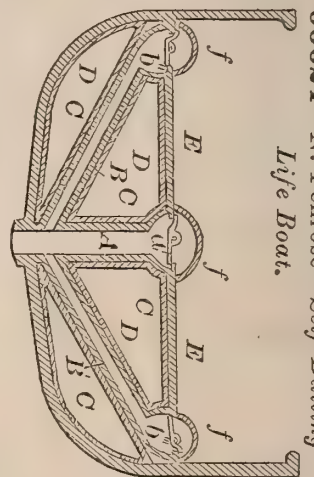
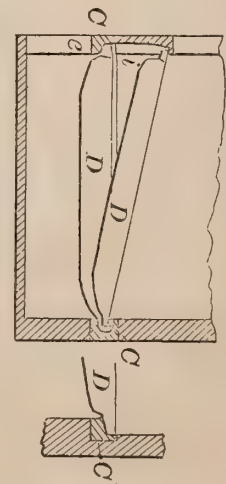
66621—Patterson & Dewey—Horse Hay Fork.



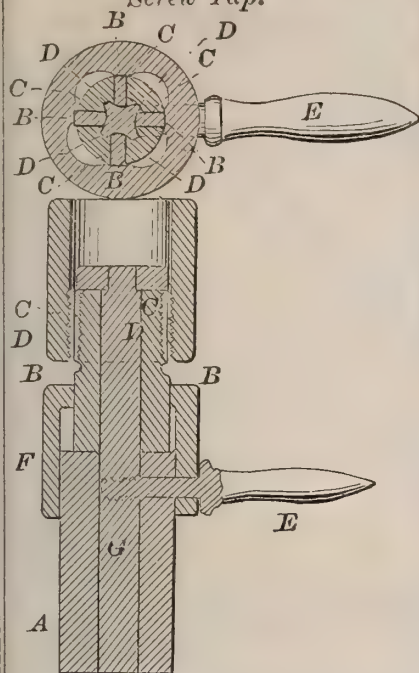
66622—J. C. Pedrick—For Carburetting Air.



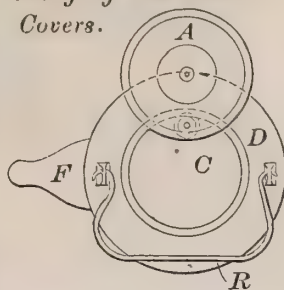


66623—J. H. Pelton—*Mechanical Movement.*66627—B. W. Remy—*Seeder and Cultivator.*66626—A. Rais—*For Making Butt Hinges.*66625—G. M. Peters—*Harvester Rake.*66624—N. Penrose—*Self-Bailing Life Boat.*66628—J. Reynolds—*Furnace Grate.*

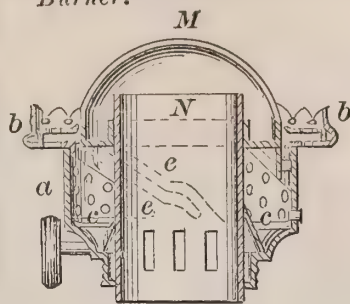
**66629**—Rider & Wiggin—  
*Screw Tap.*



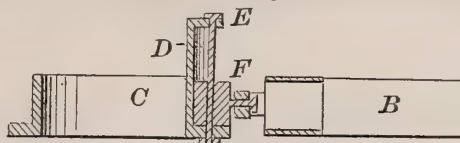
**66631**—E. Ripley—  
*Hinging Tea Kettle  
Covers.*



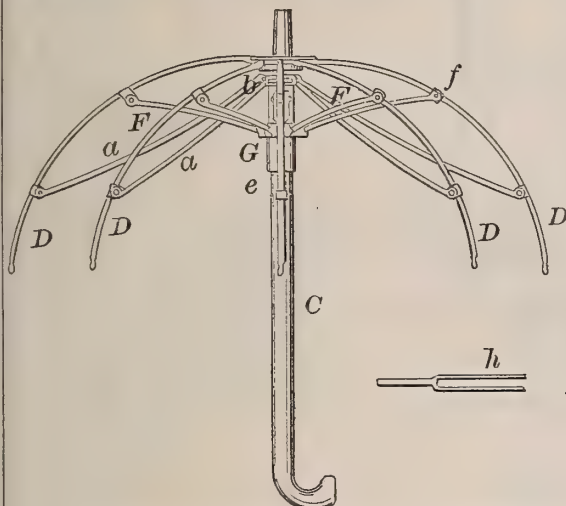
**66635**—W. Robinson—*Lamp  
Burner.*



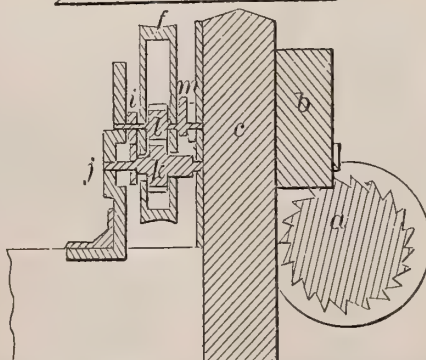
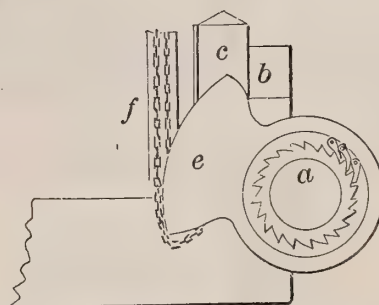
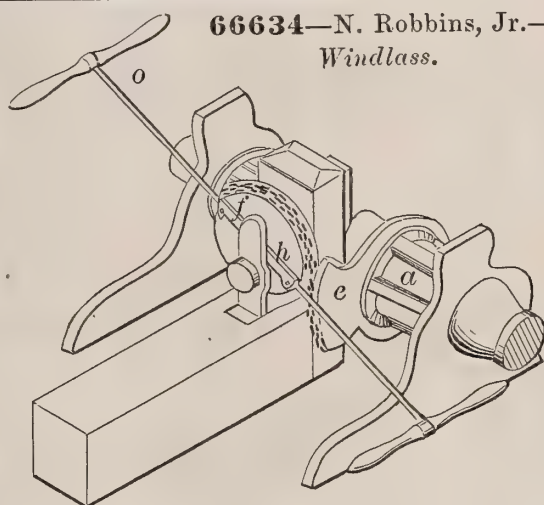
**66633**—N. Robbins—*Gudgeon for Brooms.*



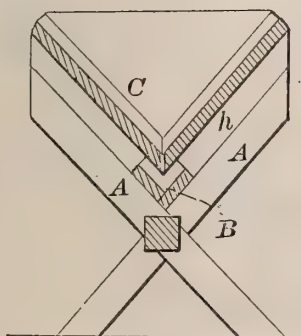
**66632**—H. T. Robbins—*Umbrella.*



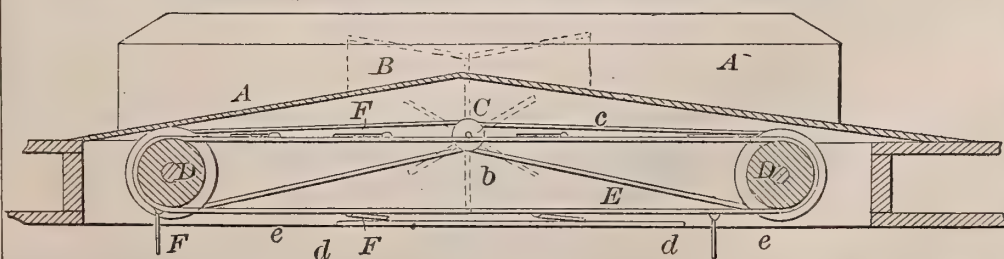
**66634**—N. Robbins, Jr.—  
*Windlass.*



**66636**—C. Roop—*Ash Tub or Leach.*



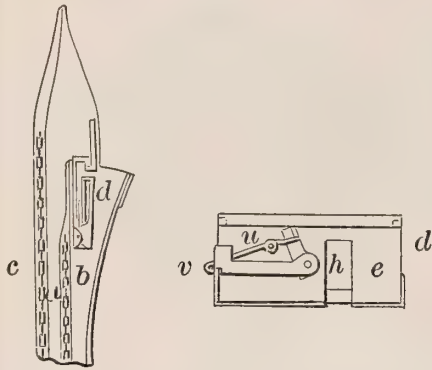
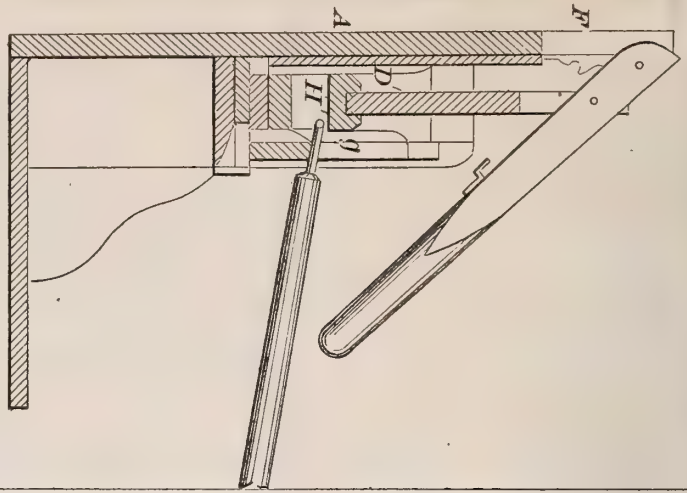
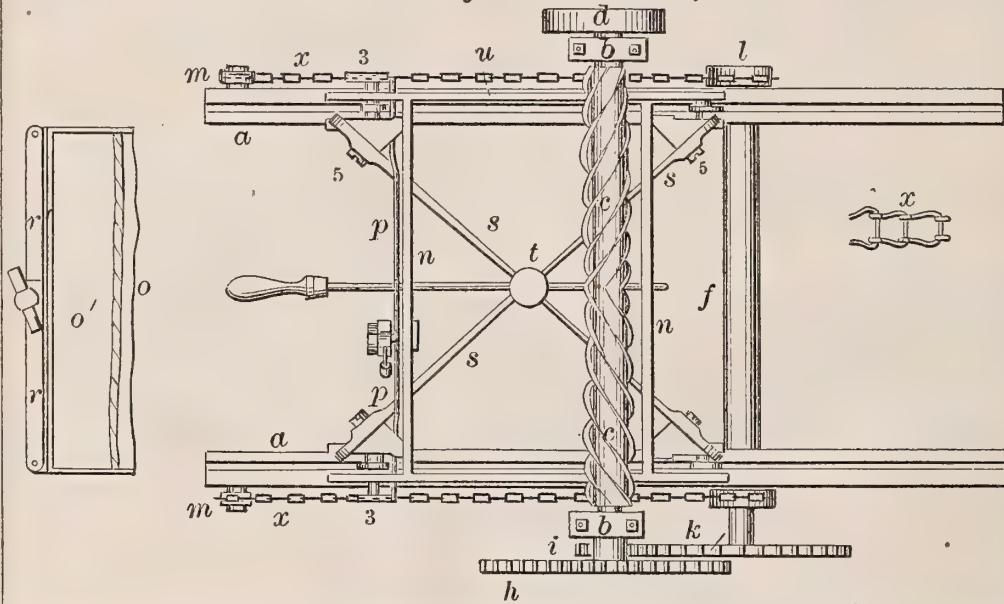
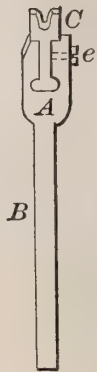
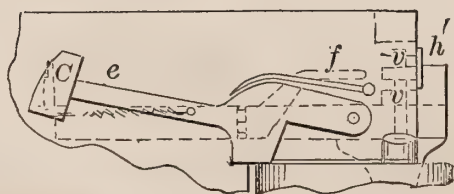
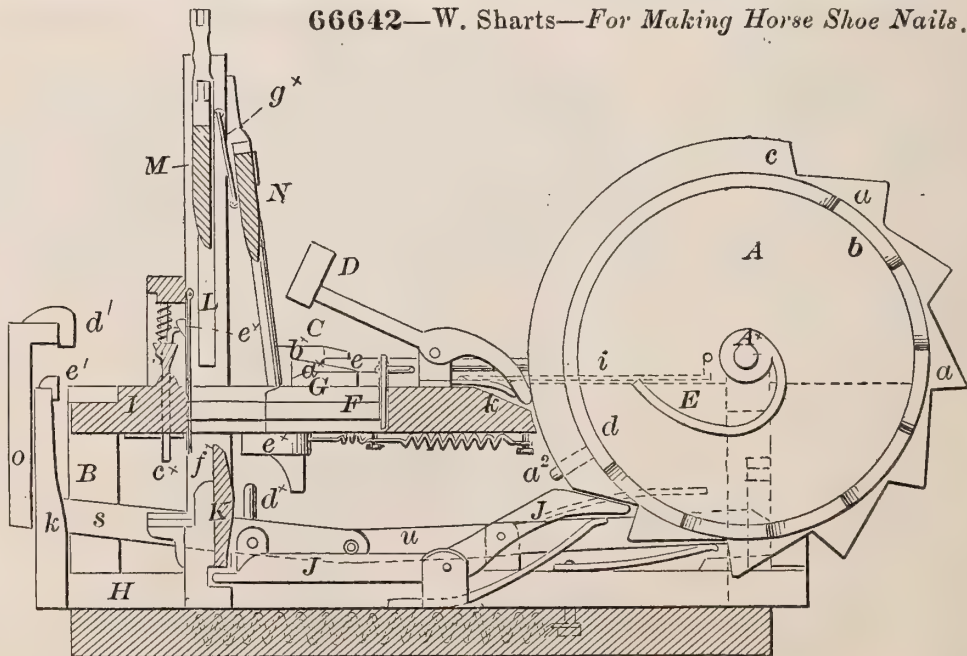
**66637**—J. A. Royce—*Advertising Apparatus.*



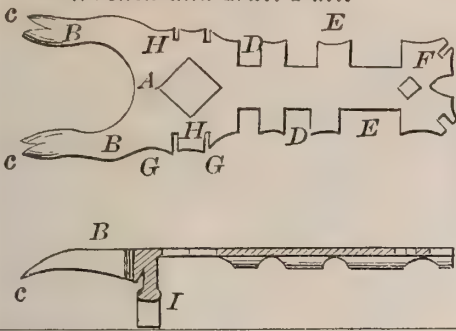
**66630**—J. Riggs—*For  
Coating Iron with a  
Harder Metal.*



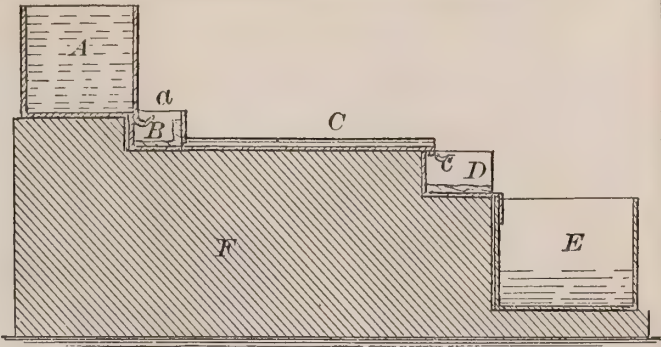


66638—F. Russell—*Safety Pocket*66639—H. Russell—*Mop Wringer.*66640—J. Schiffer—*For Dressing Hides and Skins.*66641—J. C. Shackleton—*Lathe Tool.*66642—W. Sharts—*For Making Horse Shoe Nails.*

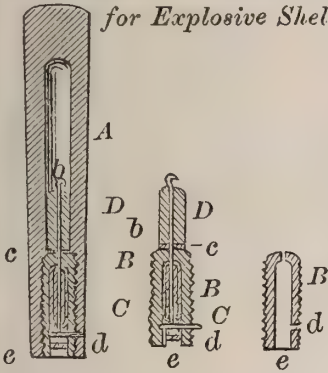
**66643**—O. Shepard—*Bootjack, Wrench and Nail Pull.*



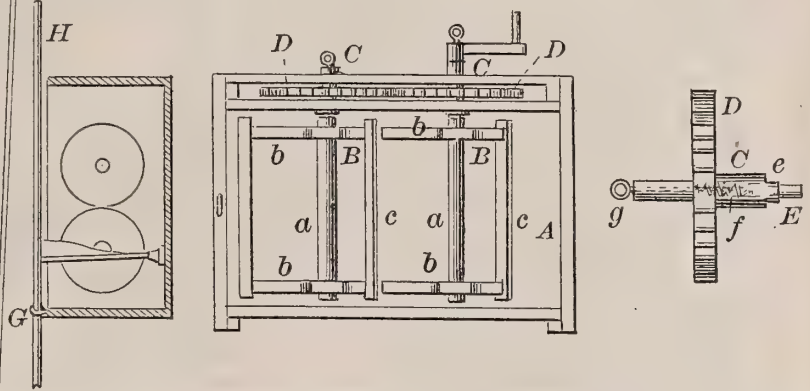
**66645**—J. H. Smith—*Petroleum Filter.*



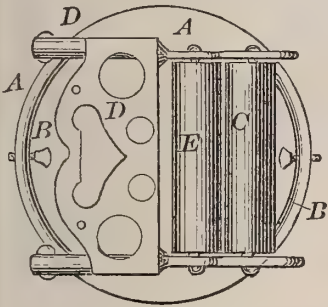
**66644**—Simpson & Janecek—*Concussion Fuse for Explosive Shells.*



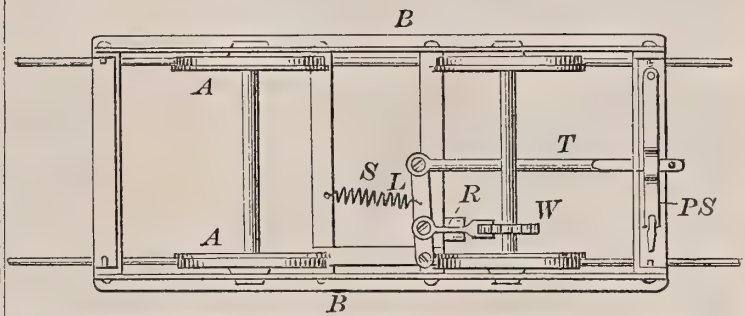
**66646**—W. C. Smith—*Churn.*



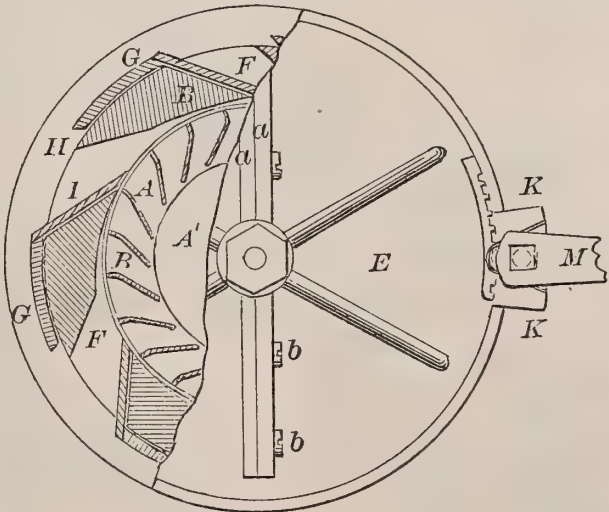
**66647**—A. G. Starkweather—*Mop Wringer.*



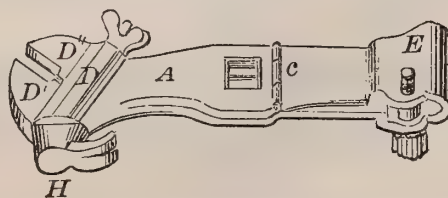
**66648**—J. Steger—*Car Starting Apparatus.*



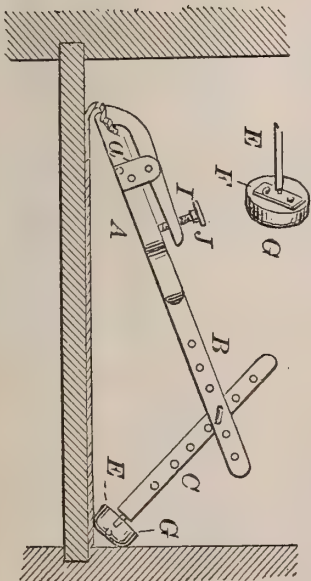
**66651**—J. Todd—*Water Wheel.*



**66652**—S. L. Tracy—*Tool.*



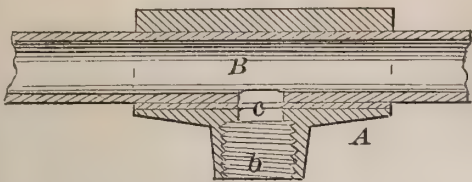
**66649**—W. W. Taylor—*Carpet Stretcher.*



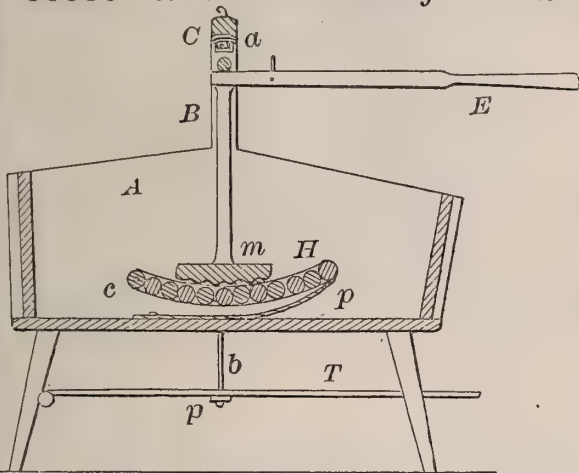




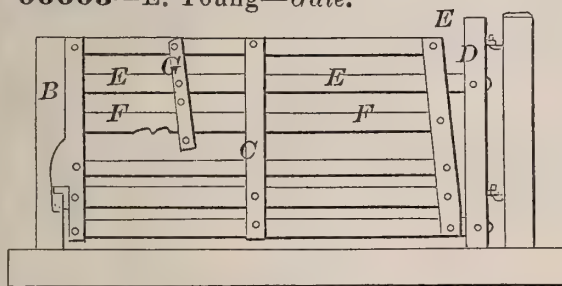
66659—N. F. Weston—*Coupling Faucet to Pipes.*



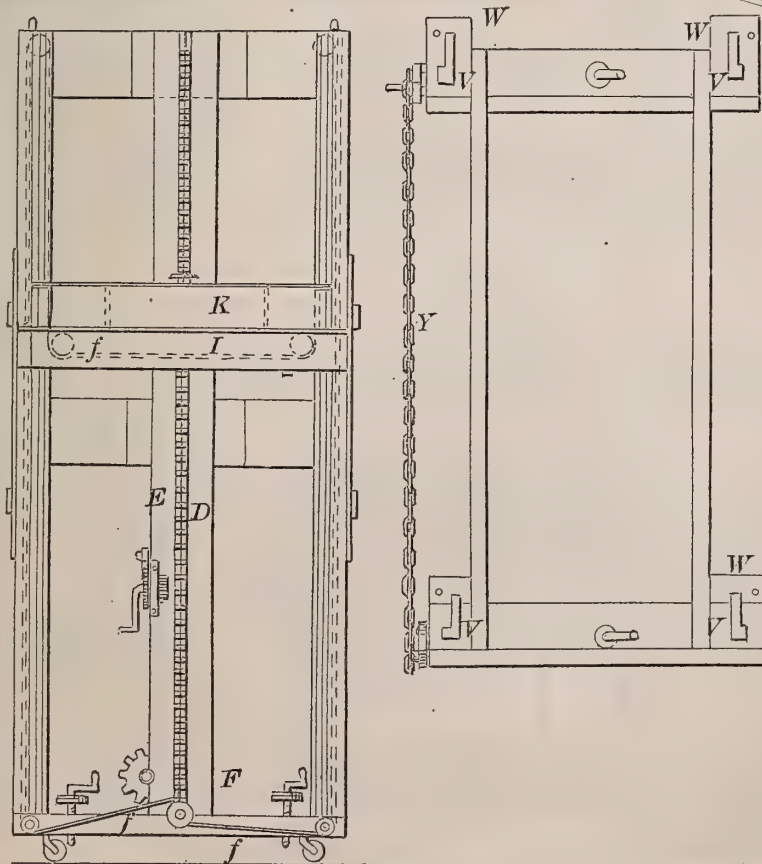
66660—C. B. White—*Washing Machine.*



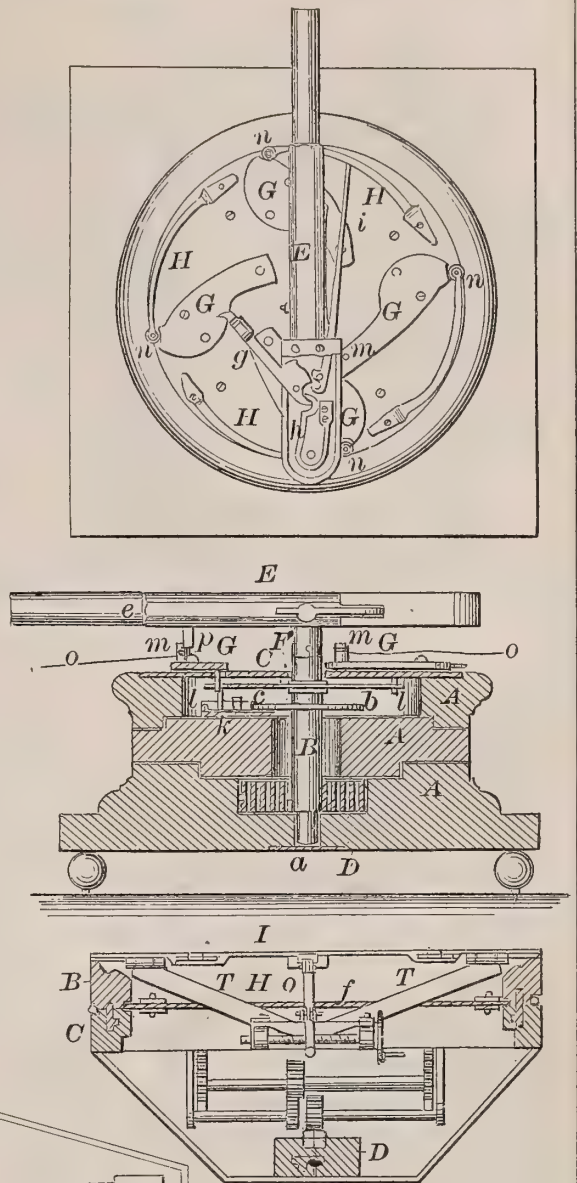
66663—E. Young—*Gate.*



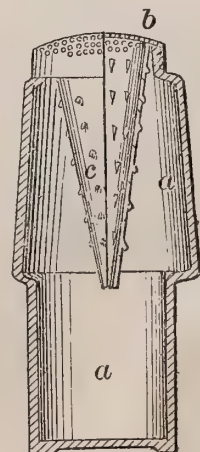
66664—J. Keene—*Plastering Machine.*



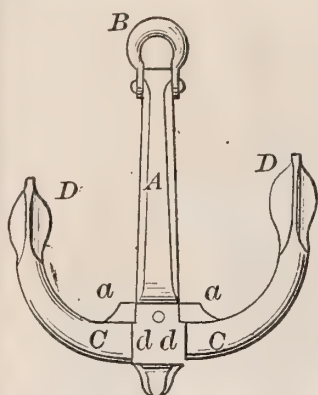
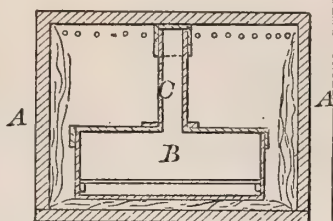
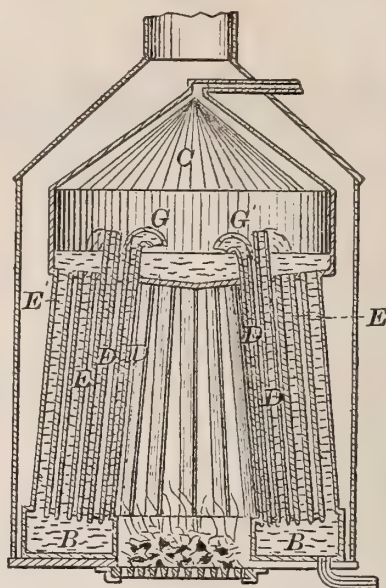
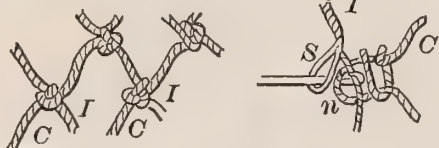
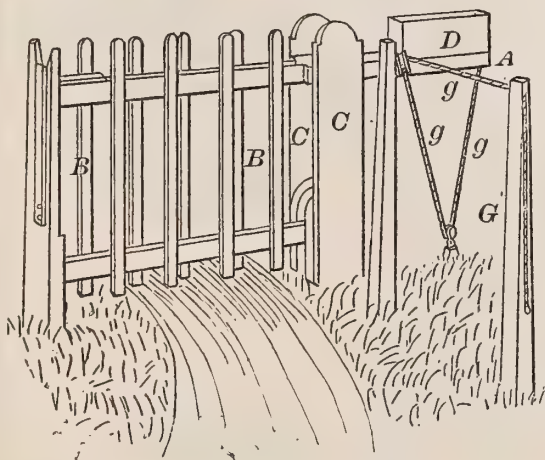
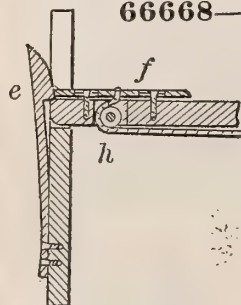
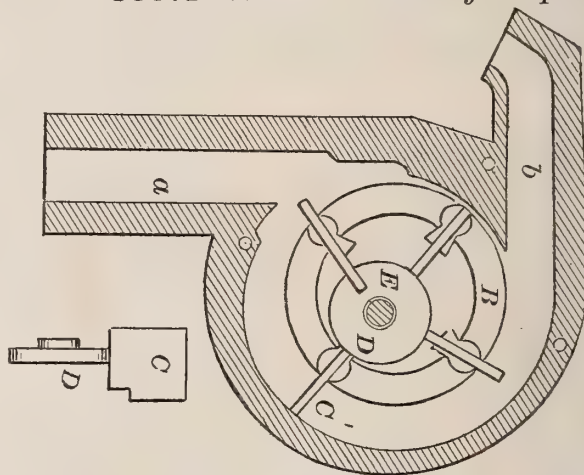
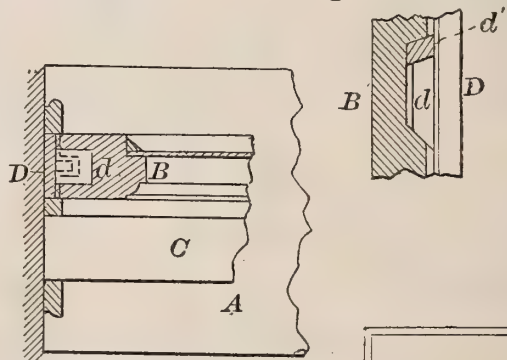
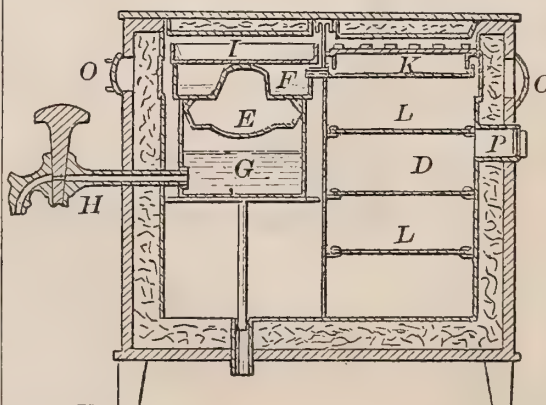
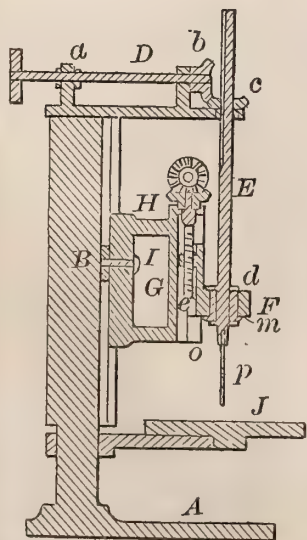
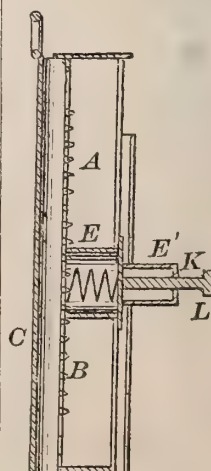
66662—J. Wilson—*Burglar Alarm Gun.*



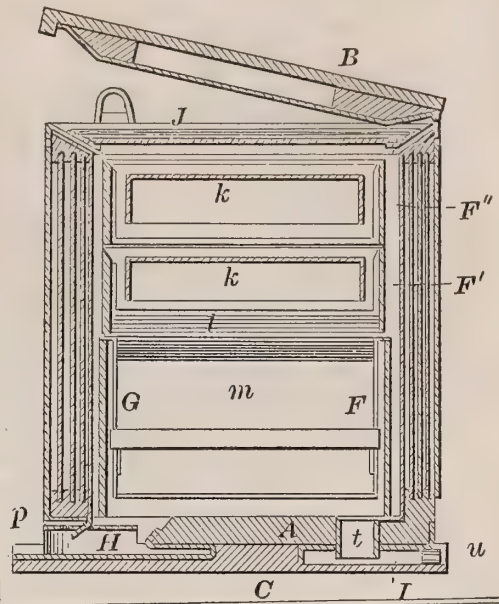
66661—T. Williams—*Dredging Box.*



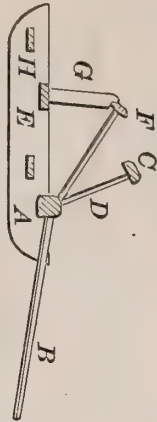


**66665**—Lloyd & Stewart—Anchor.**66666**—J. Rutter—Preserving Perishable Articles.**66670**—H. Bevis—Steam Generator.**66669**—B. Arnold—Fishing Net.**66668**—Ackerson & Harrah—Folding Gate.**66671**—J. P. Birch—Rotary Pump.**66673**—T. H. Burrige—Sash Fastener.**66674**—W. B. Burwell—Refrigerator, Cooler and Filter.**66672**—P. Blaisdell—Upright Drill.**66675**—R. H. Chinn—Nutmeg Grater.

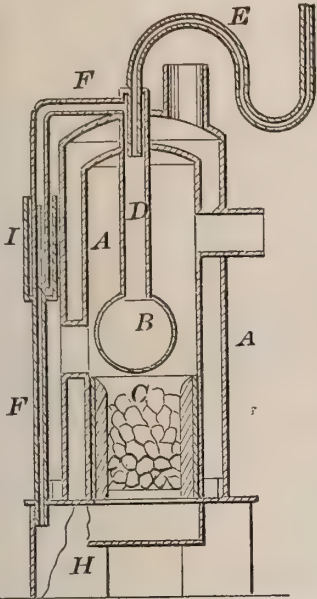
66680—E. Cox—Beehive.



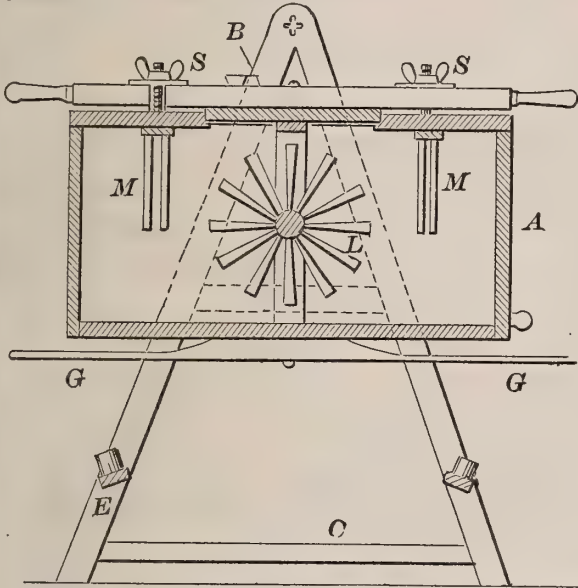
66679—J. P. Hunter—Horse Rake.



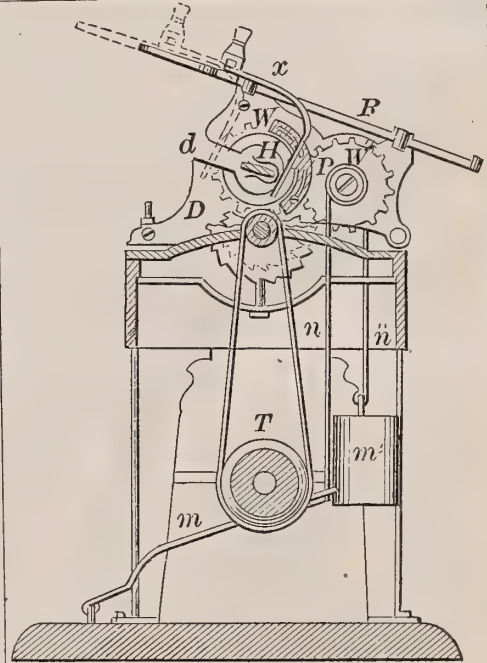
66676—J. C. Clapp—Manufacture of Gas.



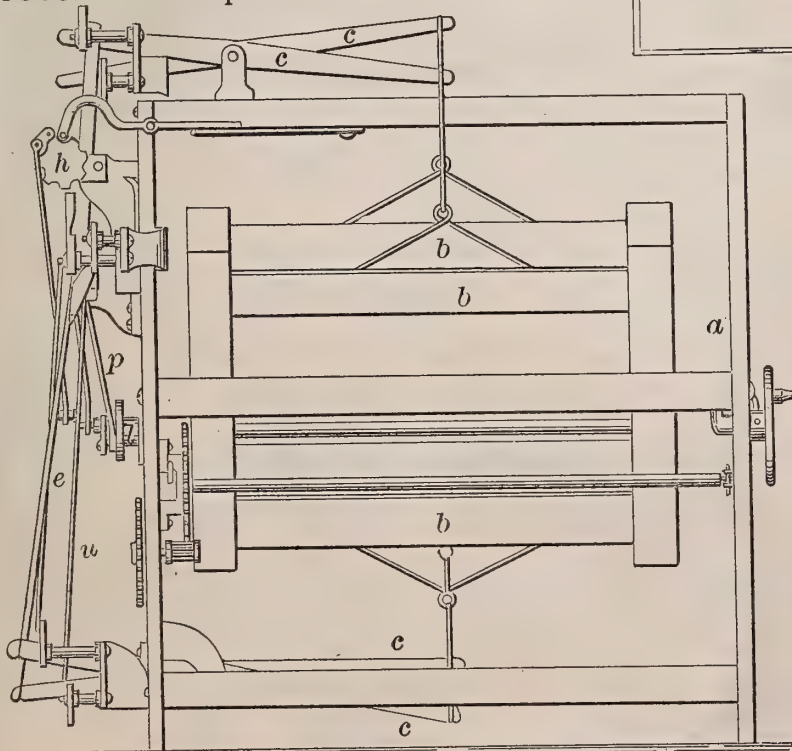
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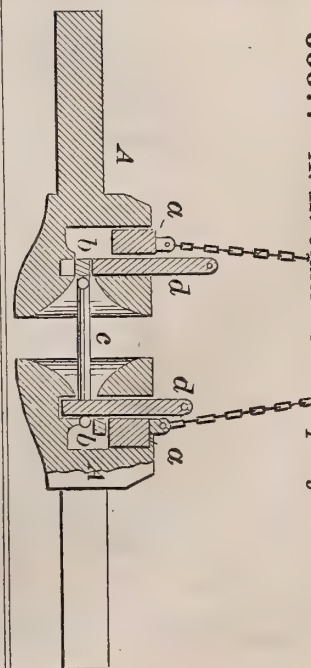
66678—J. J. & T. Clark—For Tenoning Blind Slat.



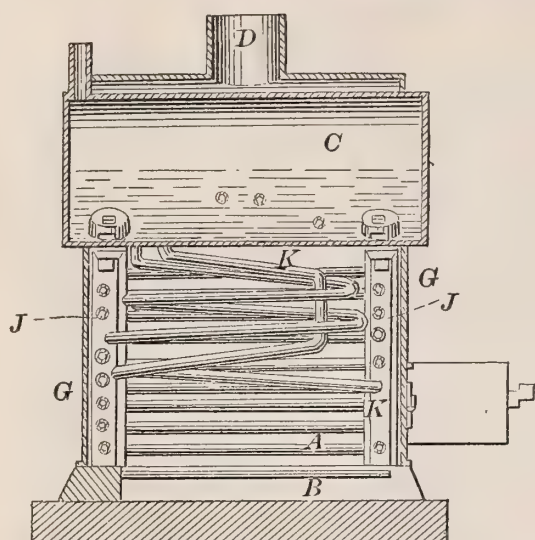
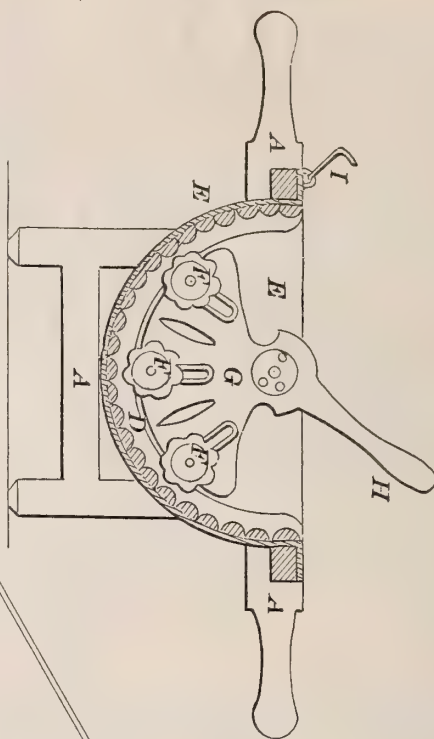
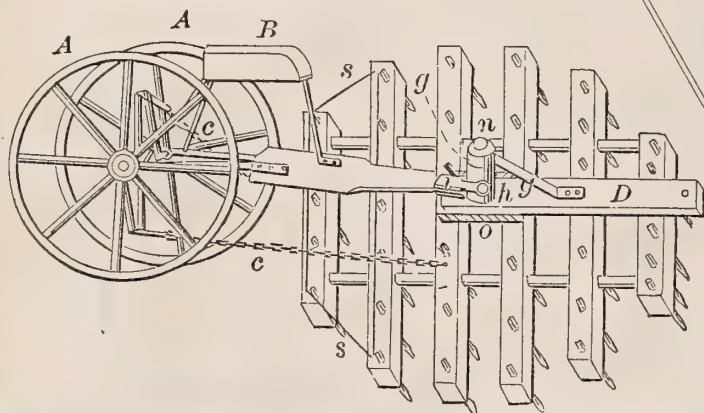
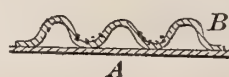
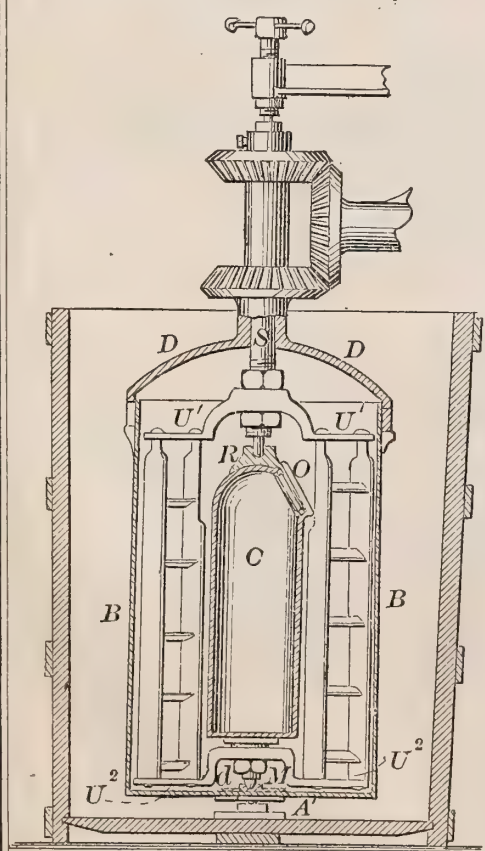
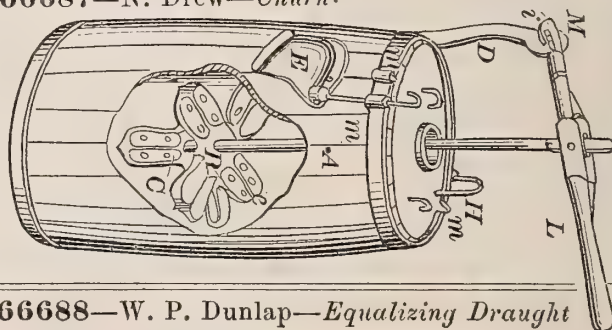
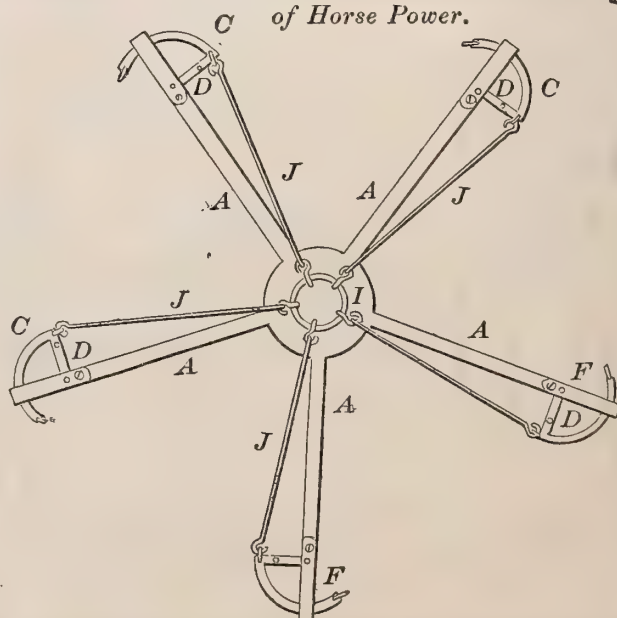
66682—G. Crompton—Loom.



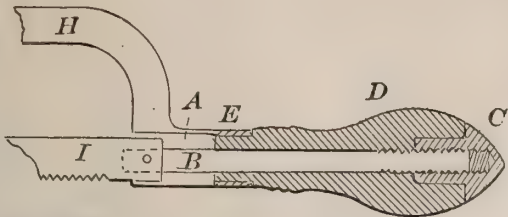
66677—A. H. Clark—Car Coupling.



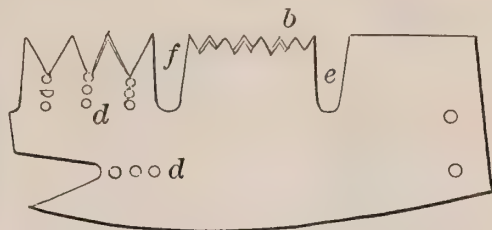


66683—J. Darling—*Steam Generator.*66686—C. Draeger—*Washing Machine.*66684—J. Densmore—*Reciprocating Harrow.*66689—C. A. Dur in—*Nutmeg Grater.*66685—Dougherty & Gerecke—*Ice Cream Freezer.*66687—N. Drew—*Churn.*66688—W. P. Dunlap—*Equalizing Draught of Horse Power.*

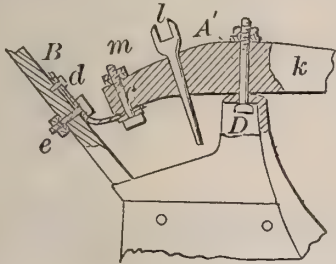
66690—A. W. Elmer—*Hand Saw.*



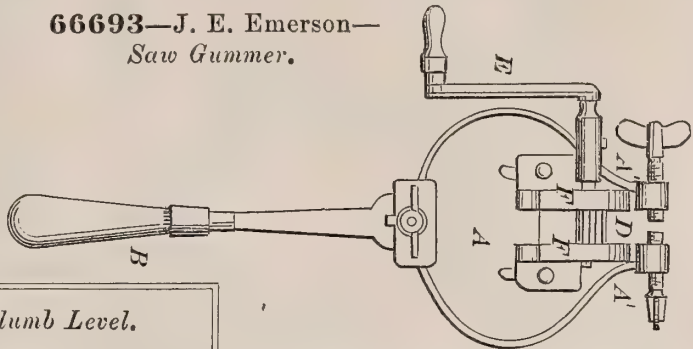
66692—J. E. Emerson—*Saw.*



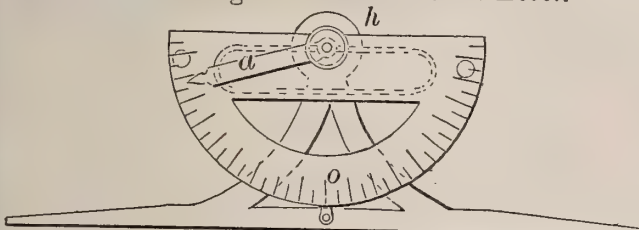
66691—C. A. Elton—*Plow.*



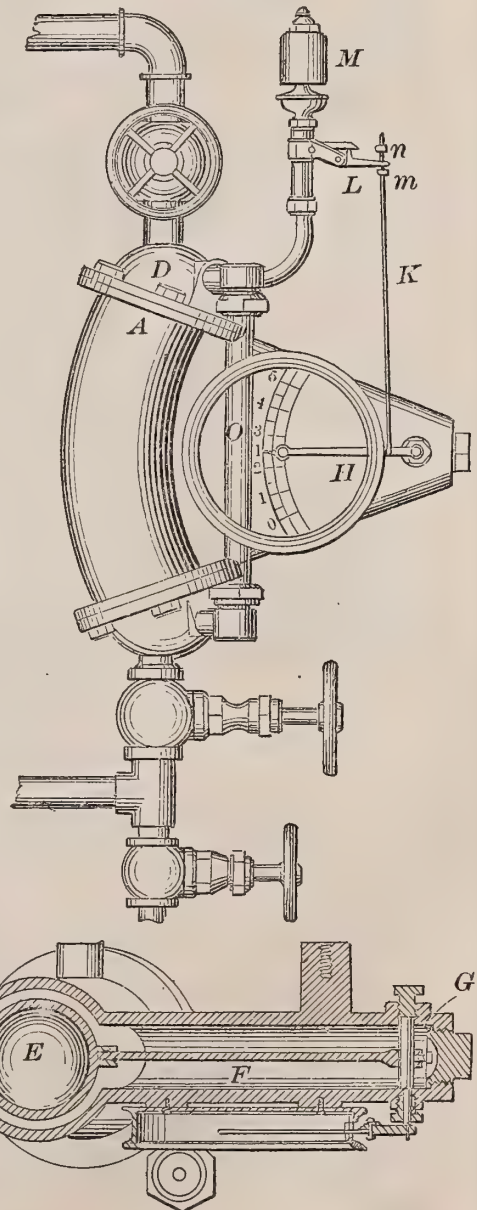
66693—J. E. Emerson—*Saw Gummer.*



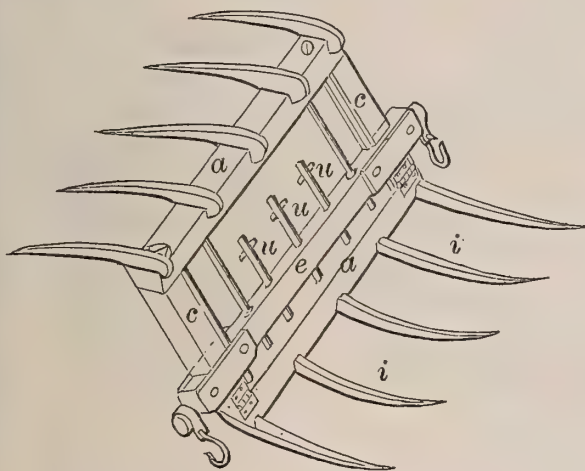
66695—Ensminger & Elmer—*Plumb Level.*



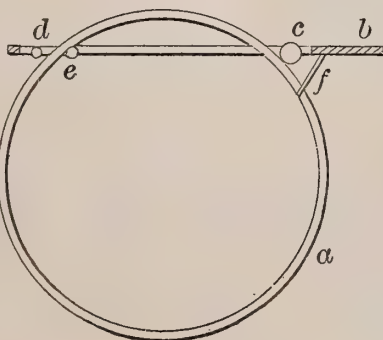
66694—W. R. England—*Water Indicator for Boilers.*



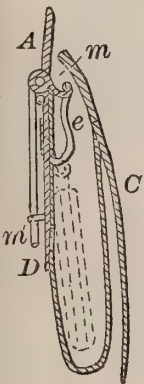
66696—H. V. Farris—*Horse Rake.*



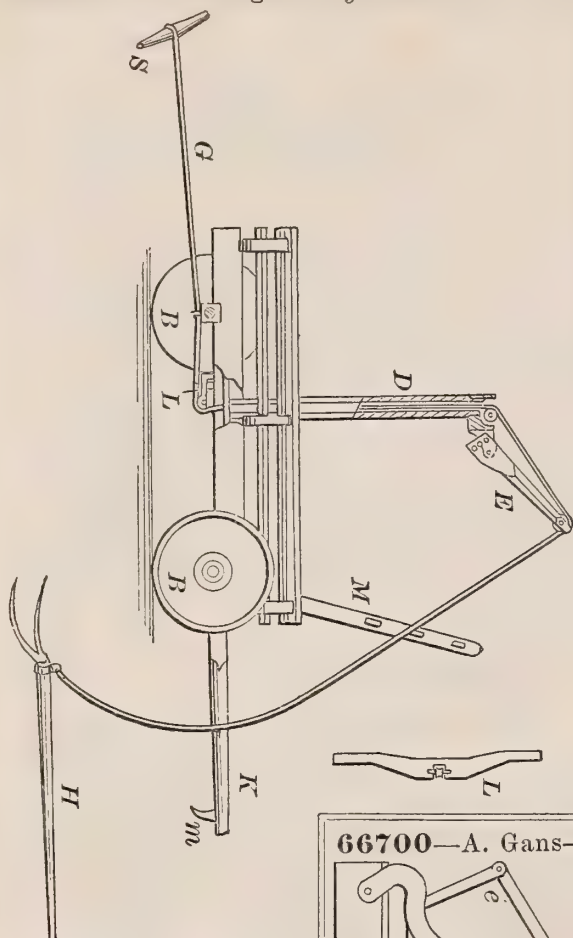
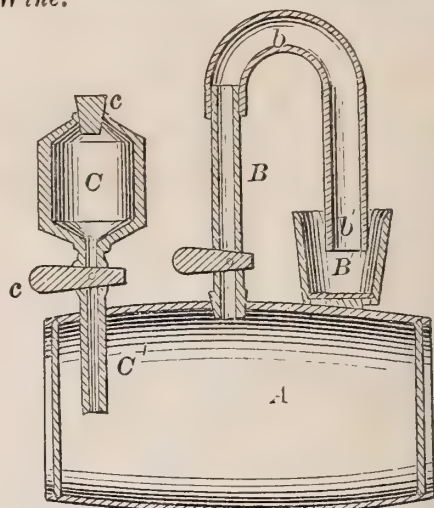
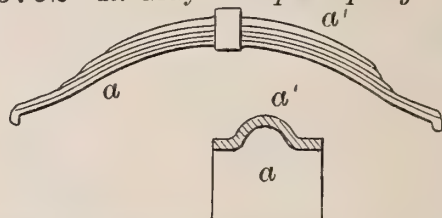
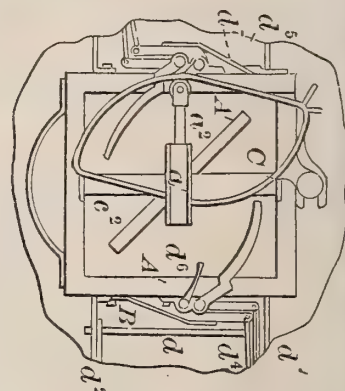
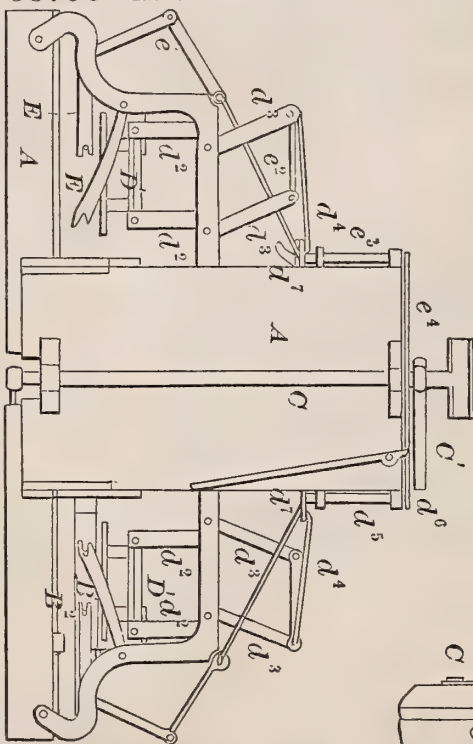
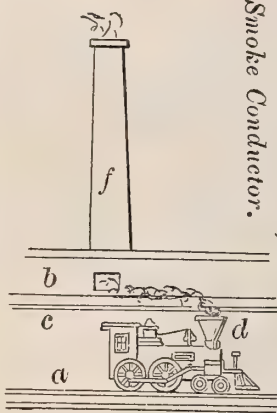
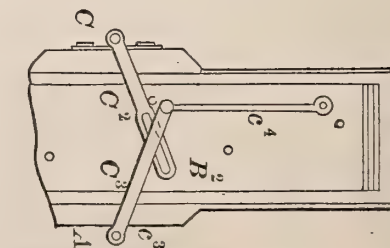
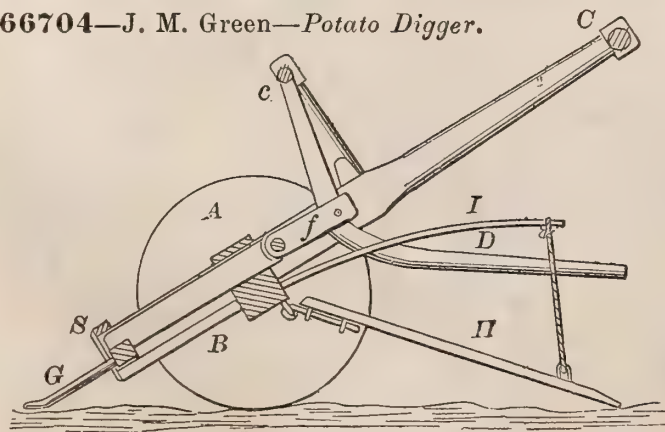
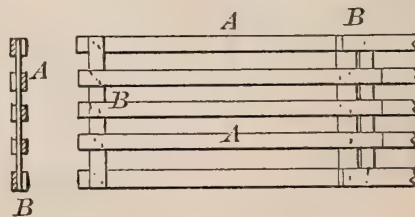
66697—J. Faye—*Propelling Hoops.*



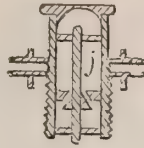
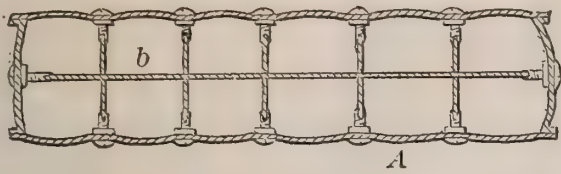
66698—R. W. Fisk—*Safety Pocket.*



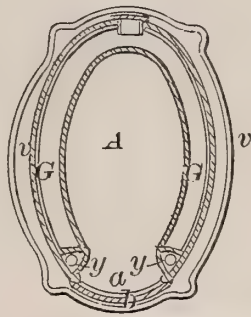
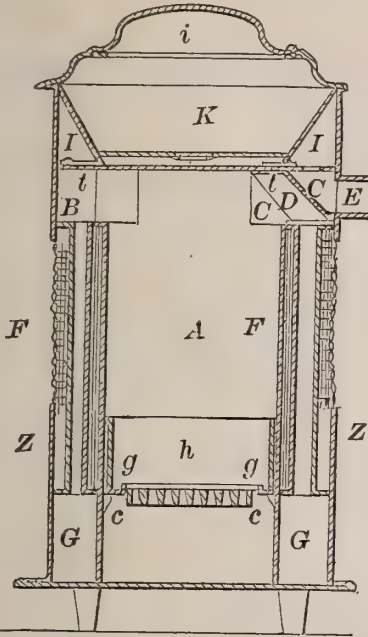


**66699**—C. W. Gage—*Hay Loader.***66701**—J. Glenert—*Cask for Fermenting Wine.***66702**—R. Gray—*Elliptic Spring.***66700**—A. Gans—*Brick Machine.***66703**—J. Greacen, Jr.—*Locomotive Smoke Conductor.***66704**—J. M. Green—*Potato Digger.***66705**—C. S. S. Griffing—*Portable Field Fence.*

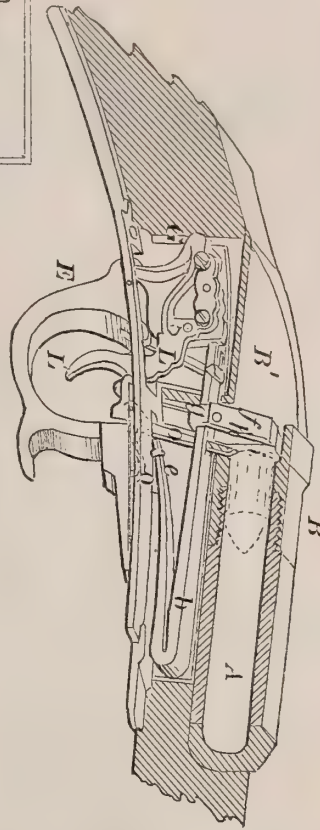
66706—J. R. Hamilton—Air Bed.



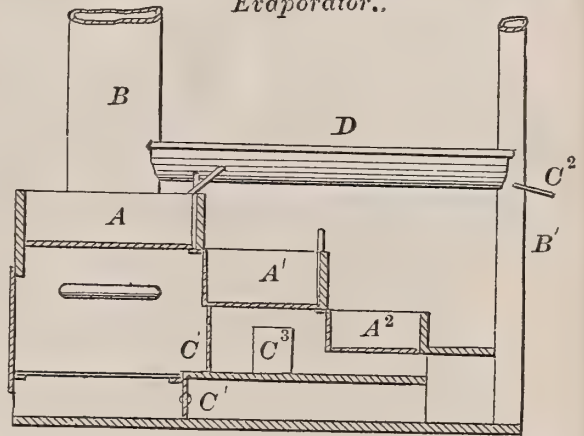
66707—J. L. Hanson—Coal Store.



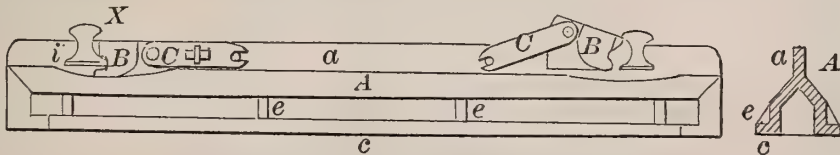
66709—A. J. H. Hilton—Breech-Loading Fire Arm.



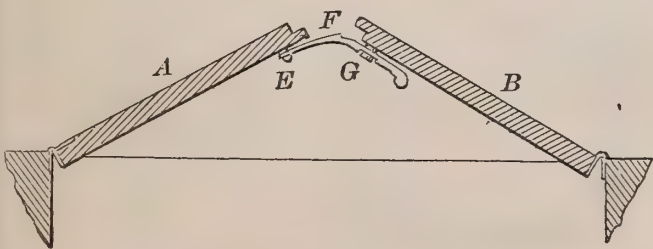
66708—W. H. Henderson—Sorghum Evaporator.



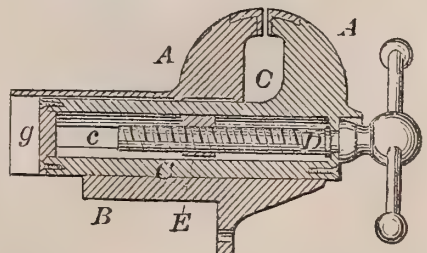
66711—R. M. Holland—Railroad Chair and Sleeper.



66710—W. F. Hofmann—Window Shutter Holder.

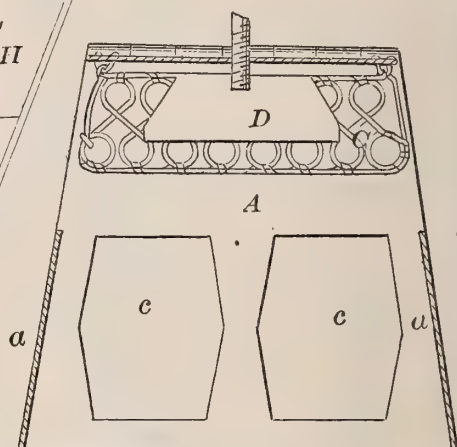
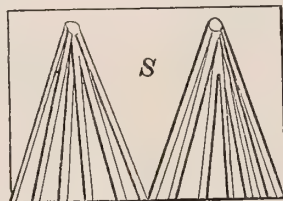
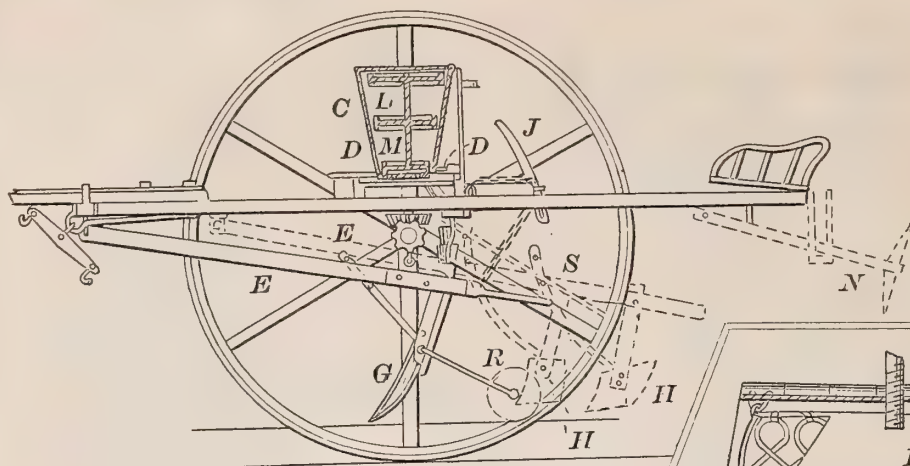


66712—A. Jameson—Vise.



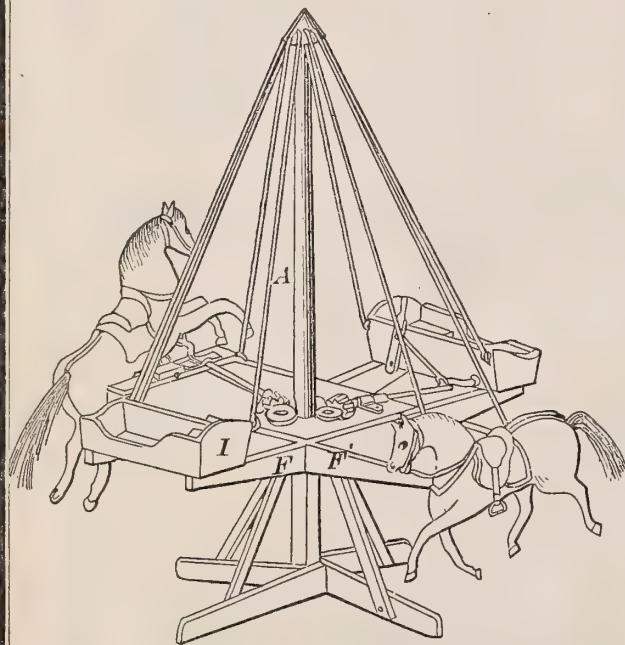


66713—J. Johnson—Cotton Seed Planter and Fertilizer Distributor.

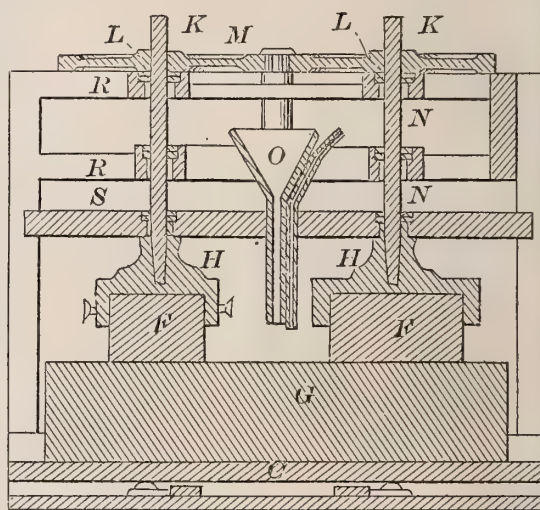


66715—E. Kelley—Broom Head.

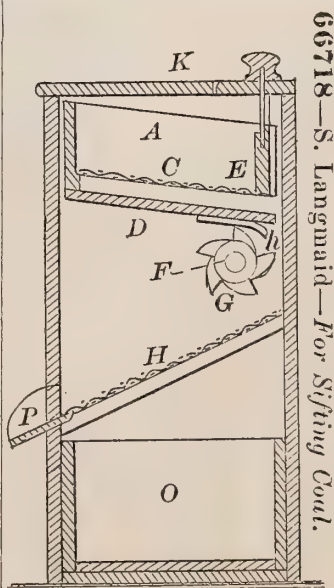
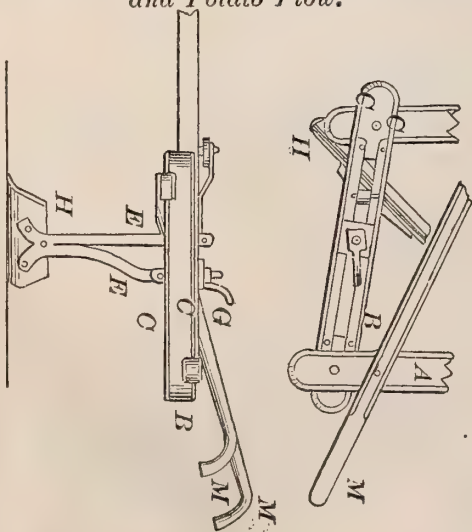
66714—F. H. Keeny—Roundabout Toy.



66716—F. L. King—For Dressing Stone.

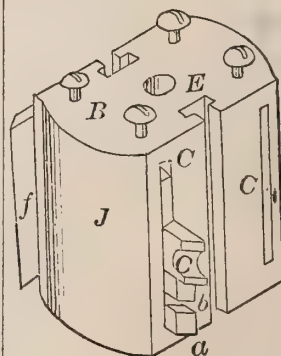


66717—J. Kurtz—Corn Cultivator and Potato Plow.

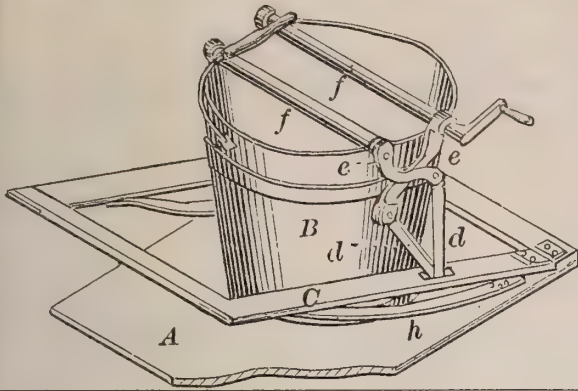


66718—S. Langmaid—For Sifting Coal.

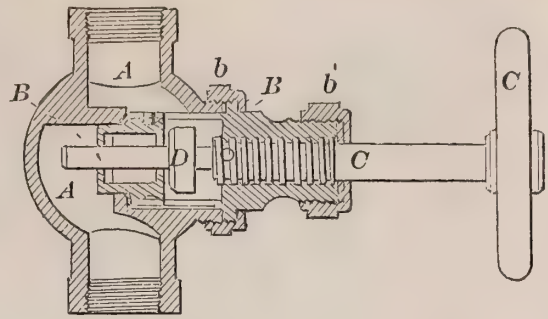
66719—H. A. Lee—Cutter Head for Planing Machines.



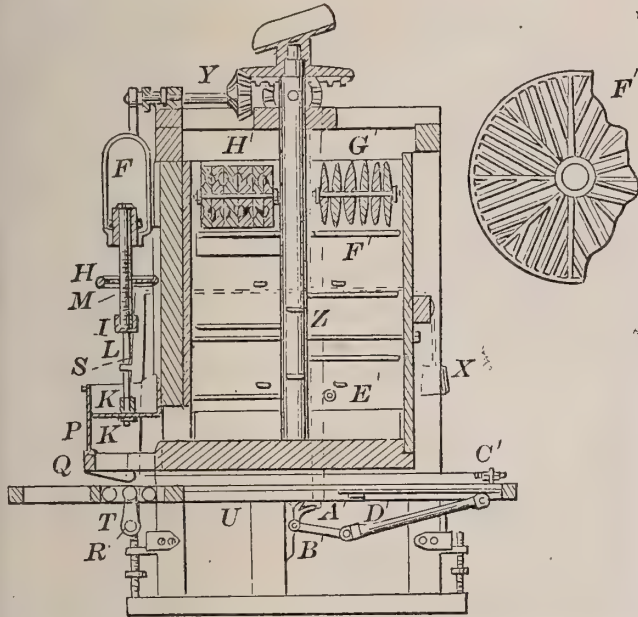
66720—A. S. Lesner—Mop Wringer.



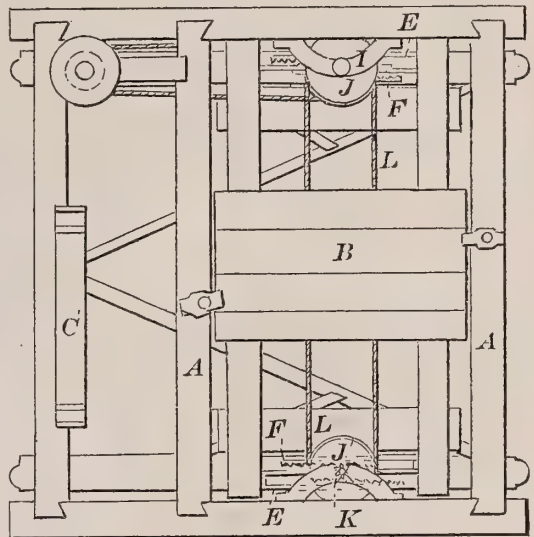
66724—Mayer & Ruppenthal—Globe Valve.



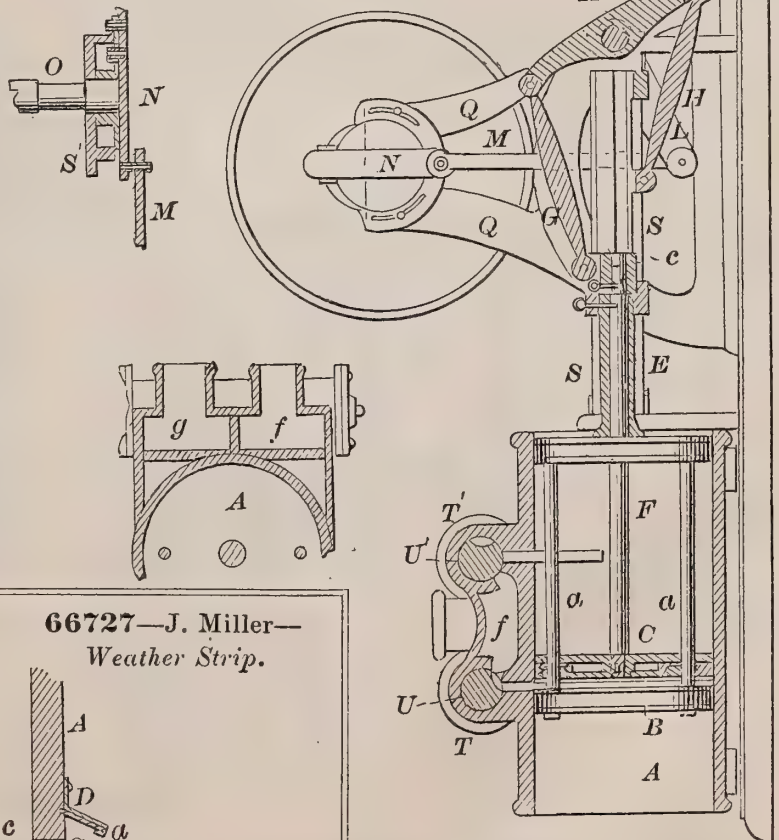
66723—G. Martin—Brick Machine.



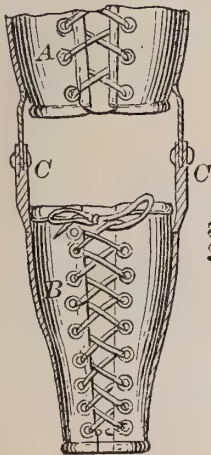
66722—C. C. Lyman—Platform Scale.



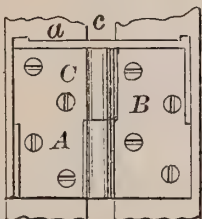
66721—H. O. Lothrop—Steam Engine.



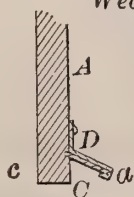
66728—J. Monroe—Lacer for Knee Braces, etc.



66729—G. R. Nebinger—Hinge.

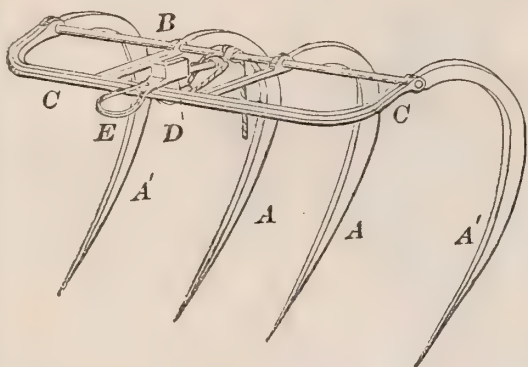


66727—J. Miller—Weather Strip.

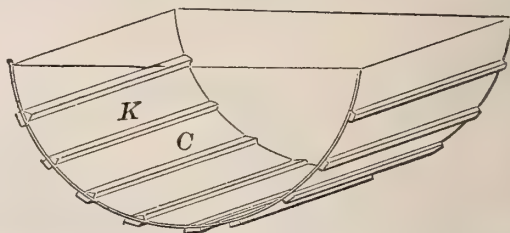
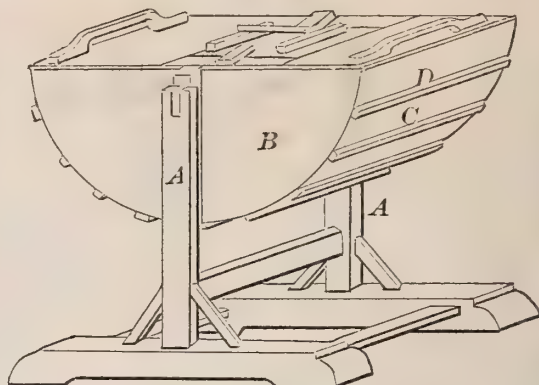




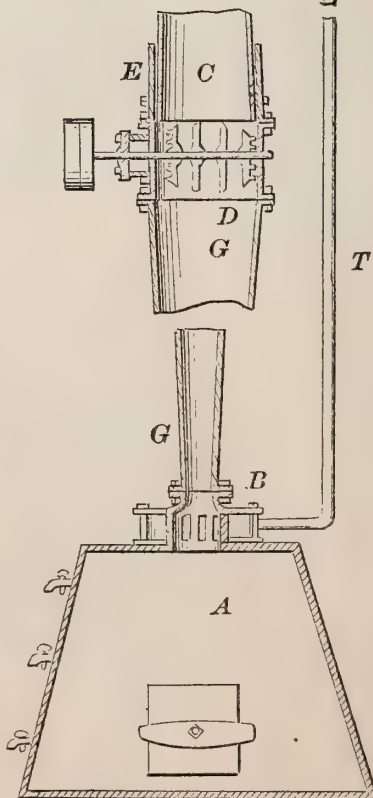
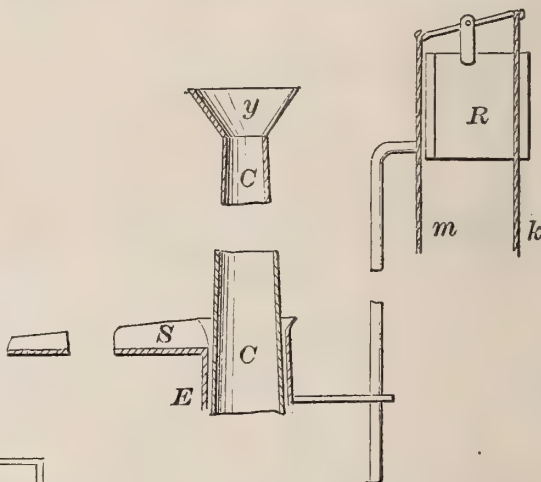
**66730**—D. F. Neikirk—*Horse Hay Fork.*



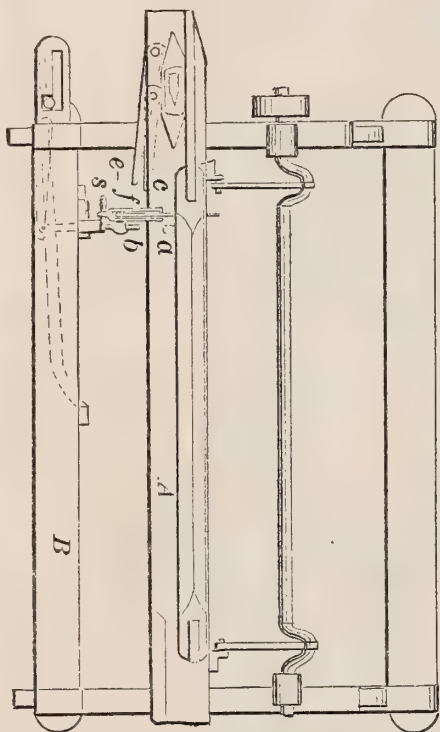
**66731**—I. P. Nissen—*Washing Machine.*



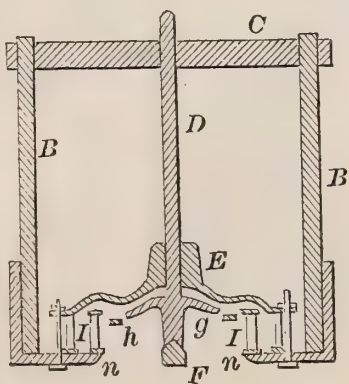
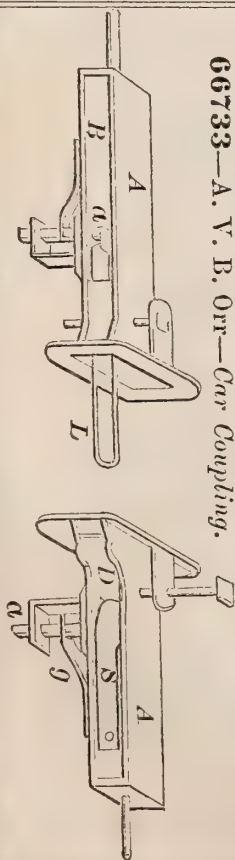
**66736**—I. F. Quinby—*Gold Washer.*



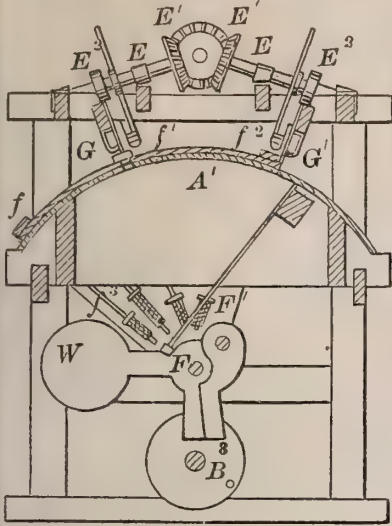
**66734—W. & D. Pilkington—Stop Motion for Looms.**



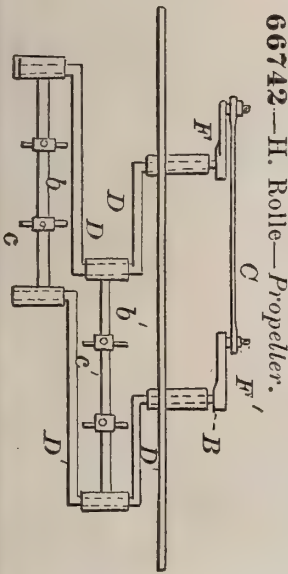
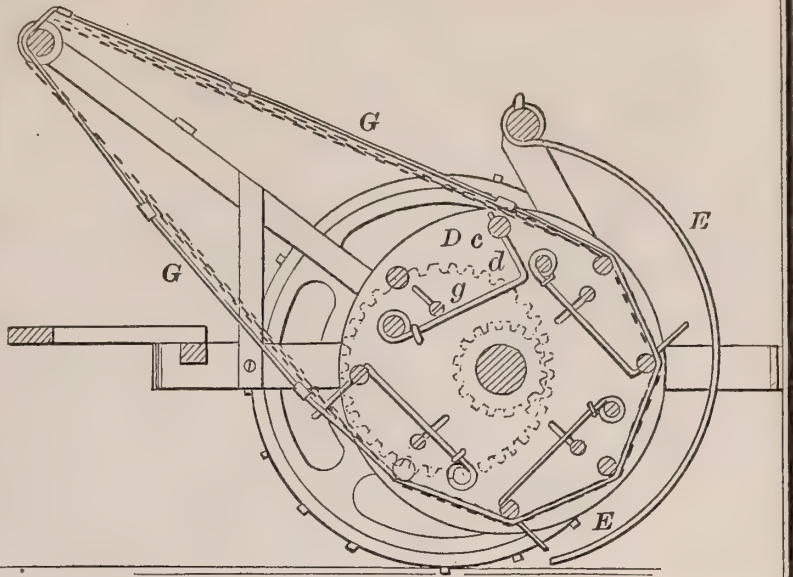
66735—F. Post—*Water  
Wheel.*

66733—A. V. B. Orr—*Car Coupling.*

**66737**—M. Randolph—*Barrel Stave Jointer.*

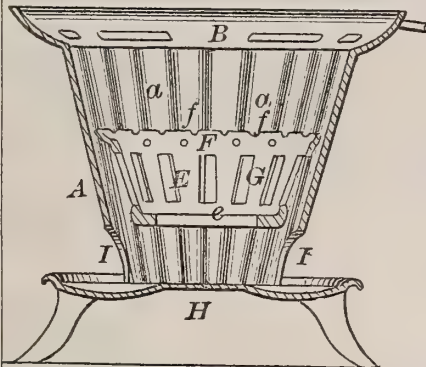


**66741**—Robinson & Springer—*Hay Rake and Loader.*

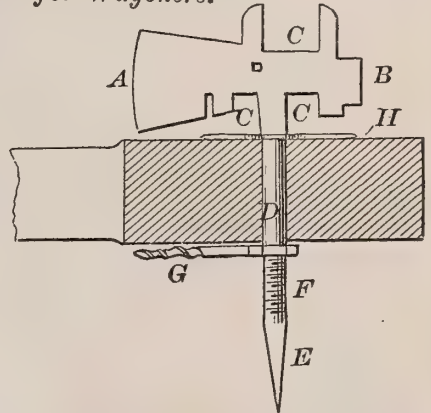


**66742**—H. Rolle—*Propeller.*

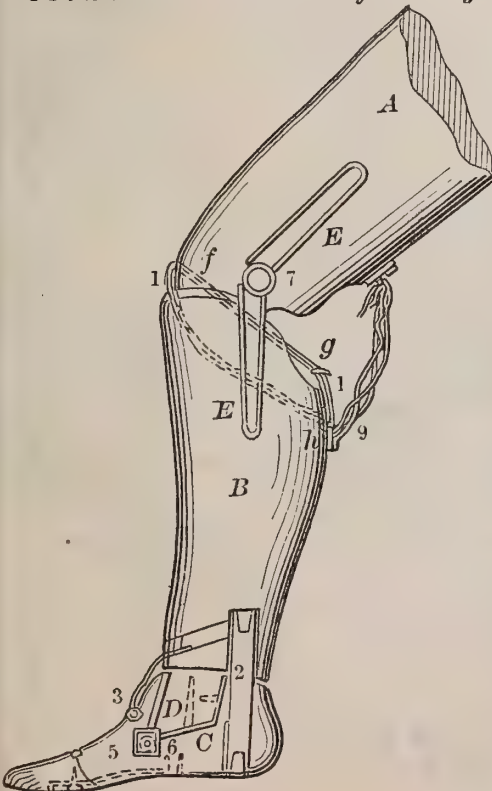
**66738**—A. J. Redway—*Charcoal Furnace.*



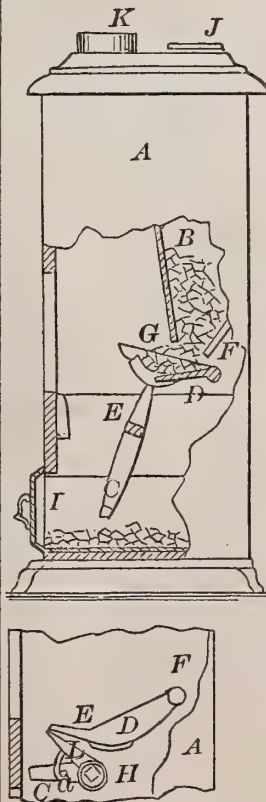
**66739**—J. Richards—*Implement for Wagoners.*



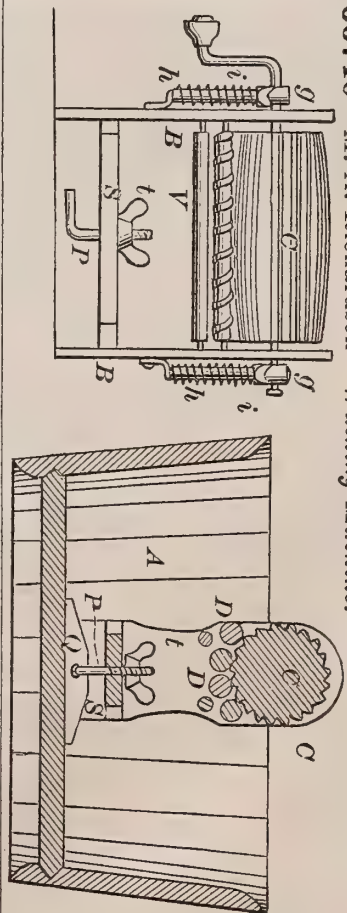
**66744**—F. Schmitt—*Artificial Leg.*



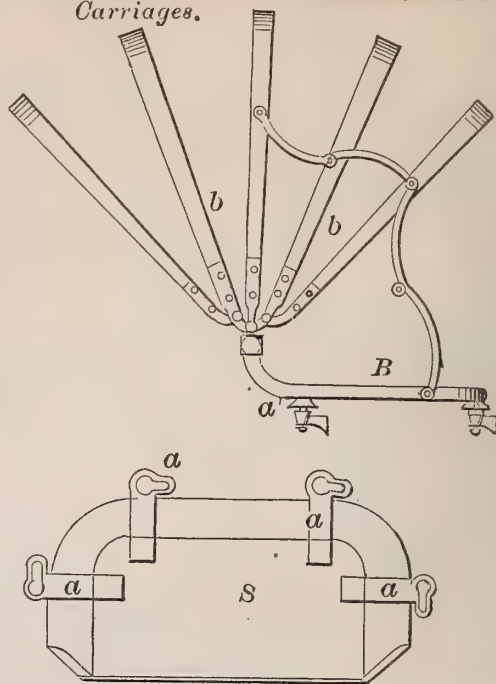
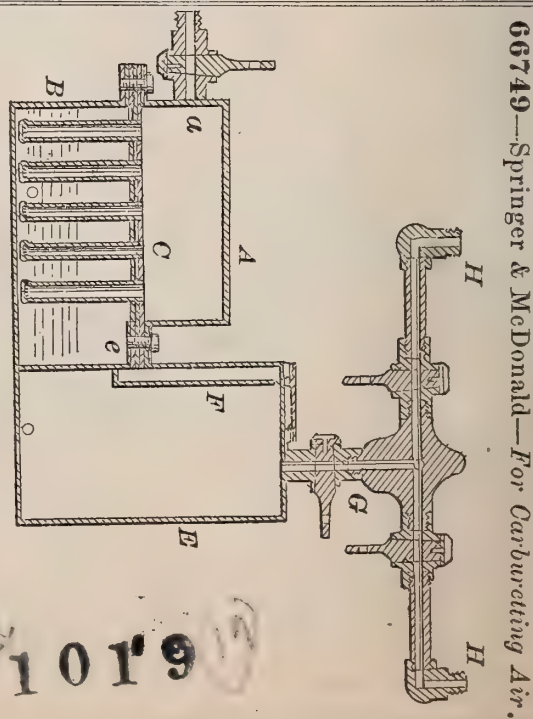
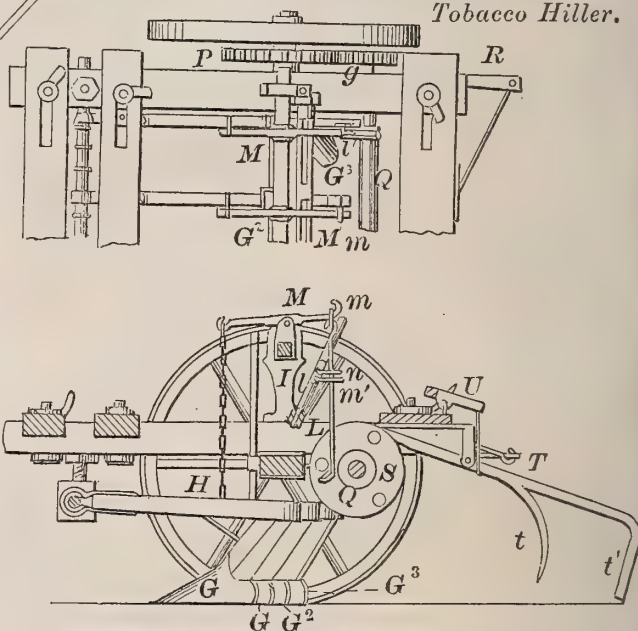
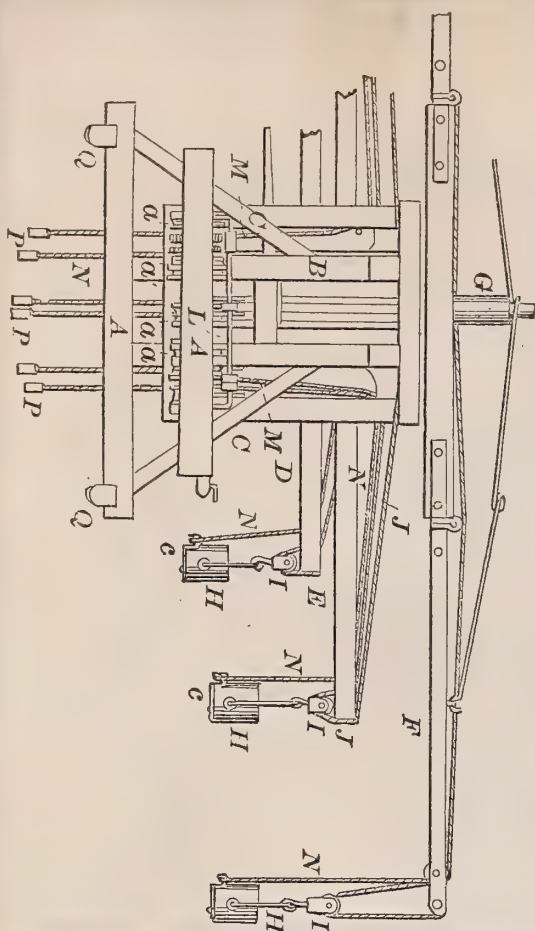
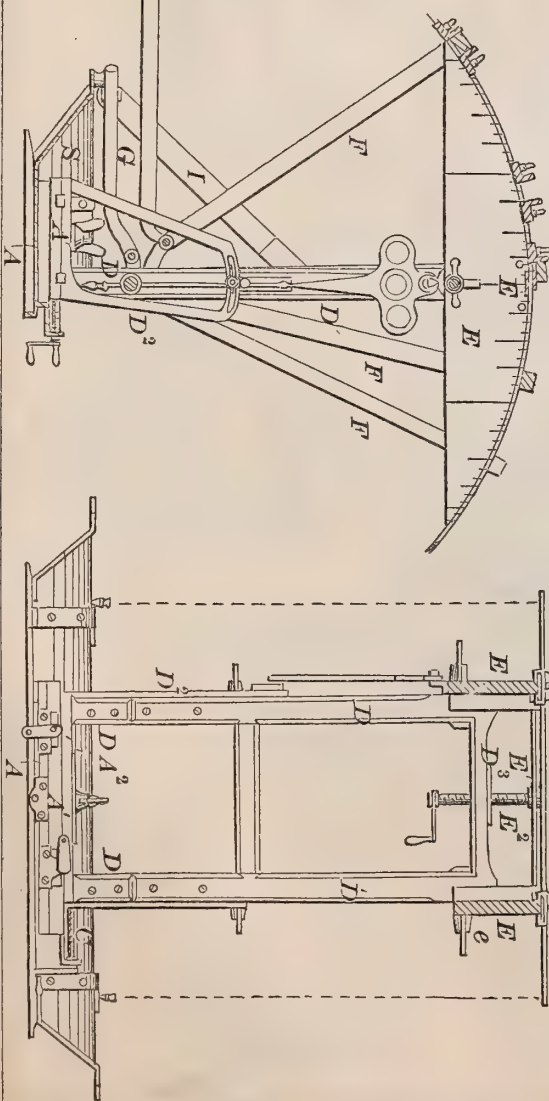
**66743**—J. J. Savage—*Stove Grate.*



**66740**—M. A. Richardson—*Washing Machine.*





66746—A. Soursin—*Shifting Top for Carriages.*66748—J. L. Spencer—*Sulky Plow and Tobacco Hiller.*66749—Springer & McDonald—*For Carbureting Air.*66745—A. G. Smith—*Trenching and Hoisting Apparatus.*66747—A. Soursin—*For Adjusting Carriage Top Bows.*

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